

CONTENTS

NUMBER 1, JANUARY, 1991

- 1 WHAT CAUSES COUGH AND WHEEZE?
Charles B. Sherman, Providence, Rhode Island; Jonathan M. S., net, Albuquerque
- 2 PNEUMOCOCCAL PNEUMONIA; PREDISPOSITIONS AND PREVENTION
Benjamin A. Lipsky, Seattle
- 3 SAFETY AND EFFICACY OF THROMBOLYTIC THERAPY FOR SUPERIOR VENA CAVAL SYNDROME
Anthony J. Comerota, Philadelphia
- 4 INTERMEDIATE CARE UNITS; GRADED CARE OPTIONS
John Popovich, Jr, Detroit
- 5 CRITICAL ILLNESS POLYNEUROPATHY
Robert I. Roelofs, Minneapolis
- 6 THE CHALLENGE OF PULMONARY HYPERTENSION
Kevin Turley, San Francisco
- 8 ACUTE EOSINOPHILIC PULMONARY DISEASE ASSOCIATED WITH THE INGESTION OF L-TRYPTOPHAN-CONTAINING PRODUCTS
Ira Jeffrey Strumpf; Richard D. Drucker; Karl H. Anders; Sylvan Cohen; Oluwote Fajolu, Woodland Hills, California
- 14 ¹²⁵TC-ANTI-CEA RADIOIMMUNOSCINTIGRAPHY OF LUNG ADENOCARCINOMA
Thomas Leitha; Reinhard Walter; Werner Schlick; Robert Dudczak, Vienna, Austria
- 20 A LONGITUDINAL STUDY OF RESPIRATORY SYMPTOMS IN A COMMUNITY POPULATION SAMPLE: CORRELATIONS WITH SMOKING, ALLERGEN SKIN-TEST REACTIVITY, AND SERUM IgE
Robert A. Barbee; Marilyn Halonen; Walter T. Kaltenborn; Benjamin Burrows, Tucson
- 27 COUGH IN HOT PEPPER WORKERS
Paul Blanc; Diane Liu; Carlos Juarez; Homer A. Boushey, San Francisco
- 33 FIBEROPTIC BRONCHOSCOPY FOR REFRACTORY COUGH
Ronald P. Sen; Thomas E. Walsh, Bethesda
- 36 ANGIOTENSIN-CONVERTING ENZYME INHIBITORS AND COUGH: PREVALENCE IN AN OUTPATIENT MEDICAL CLINIC POPULATION
James L. Sebastian; William Paul McKinney; Jack Kaufman; Mark J. Young, Milwaukee
- 40 SNORING (1): DAYTIME SLEEPINESS IN REGULAR HEAVY SNORERS
Christian Guilleminault; Riccardo Stoohs; Stephen Duncan, Stanford
- 49 PHARYNGEAL VOLUME IN ASYMPTOMATIC SNORERS COMPARED WITH NONSNORING VOLUNTEERS
Dale E. Green; A. Jay Block; Nancy A. Collop; Don W. Hellard, Cincinnati
- 54 SAFETY AND EFFICACY OF THROMBOLYTIC THERAPY FOR SUPERIOR VENA CAVA SYNDROME
Bruce H. Gray; Jeffrey W. Olin; Robert A. Graor; Jess R. Young; John R. Bartholomew; William F. Ruschhaupt, Cleveland
- 60 COMPARISON OF INCENTIVE SPIROMETRY AND INTERMITTENT POSITIVE PRESSURE BREATHING AFTER CORONARY ARTERY BY-PASS GRAFT
Markku Oikonen; Kalevi Karjalainen; Veikko Kähärä; Risto Kuosa; Leo Schavikin, Tampere, Finland
- 66 METEDED DOSE INHALERS FOR BRONCHODILATOR DELIVERY IN INTUBATED, MECHANICALLY VENTILATED PATIENTS
Peter C. Gay; Hamant G. Patel; Steven B. Nelson; Bernard Gilles; Rolf D. Hubmayr, Rochester, Minnesota
- 72 COMPLICATIONS OF GENERAL ANESTHESIA FOR ND:YAG LASER RESECTION OF ENDOBRONCHIAL TUMORS
Leland H. Hanowell; Walter R. Martin; Jonathan E. Saville; Linda E. Foppiano, Sacramento
- 77 LONGITUDINAL STUDY OF NEAR FATAL ASTHMA
Richard E. Ruffin; Karen M. Latimer; David A. Schembri, Bedford Park, South Australia
- 84 THE DIAGNOSTIC UTILITY OF THE ANTIBODY-COATED BACTERIA TEST IN INTUBATED PATIENTS
Richard G. Wunderink; Gerald B. Russell; Eugene Mezger; Deborah Adams; John Popovich, Jr, Detroit
- 89 THE ROLE OF PHYSICIAN-ASSISTANTS IN CRITICAL CARE UNITS
Basim A. Dubaybo; Michael K. Samson; Richard W. Carlson, Detroit
- 92 BRONCHOSCOPY WITH BRONCHOALVEOLAR LAVAGE IN TUBERCULOSIS AND FUNGAL INFECTIONS
Robert P. Baughman; Michael N. Dohn; Robert G. Loudon; Peter T. Frame, Cincinnati
- 98 BRONCHOALVEOLAR LAVAGE CELL DATA IN 19 PATIENTS WITH DRUG-ASSOCIATED PNEUMONITIS (EXCEPT AMIODARONE)
Georges M. Akoun; Jacques L. Cardranel; Bernard J. Milleron; Marie-Pia Flammang D'Ortho; Charles M. Mayaud, Paris, France
- 105 PULMONARY SURVEILLANCE USING BRONCHOSCOPY AND BRONCHOALVEOLAR LAVAGE DURING HIGH-DOSE ANTINEOPLASTIC THERAPY
William P. Vaughan; James Linder; Richard Robbins; Mark Arneson; Stephen I. Rennard, Omaha
- 112 ELEVATED PULMONARY ARTERY PRESSURE: AN INDEPENDENT PREDICTOR OF MORTALITY
Richard Cooper; Jalal Ghali; Brian E. Simmons; Angel Castaner
- 121 THE EFFECTS OF SMOKING ON THE SIGNAL-AVERAGED ELECTROCARDIOGRAM IN NORMAL SUBJECTS
Robert E. Sperry; James L. Vacek; Gary Scott Smith, Kansas City, Kansas and Missouri
- 123 THE CHEST ROENTGENOGRAM IN PULMONARY TUBERCULOSIS PATIENTS' SEROPOSITIVE FOR HUMAN IMMUNODEFICIENCY VIRUS TYPE 1
Richard Long; Bruce Maycher; Marcella Scalchini; Jure Manfreda, Winnipeg, Canada
- 128 TARGET-FLOW INSPIRATORY MUSCLE TRAINING DURING PULMONARY REHABILITATION IN PATIENTS WITH COPD
P. N. Richard Dekhuijzen; Hans Th. M. Folgering; Cees L. A. van Herwaarden, Groesbeek, the Netherlands
- 134 EFFECTS OF INITIAL FLOW RATE AND BREATH TERMINATION CRITERIA ON PRESSURE SUPPORT VENTILATION
Neil R. MacIntyre; Li-Ing Ho, Durham
- 139 CARDIAC RHABDOMYOMA: RARE CAUSE OF FETAL DEATH
Tal Geva; Francesco Santini; Warren Pear; Shirley G. Driscoll; Richard Van Praagh, Boston
- 143 PULMONARY COMPLICATIONS OF COMBINATION THERAPY WITH CYCLOPHOSPHAMIDE AND PREDNISONE
Ronald P. Sen; Thomas E. Walsh; Westby Fisher; Nadine Brock, Bethesda
- 147 AN OUTBREAK OF PNEUMOCOCCAL PNEUMONIA IN TWO MEN'S SHELTERS
Alain Mercat; Jacqueline Nguyen; Bertrand Dautzenberg, Paris, France
- 152 BEHAVIOR OF THE PULMONARY CIRCULATION AT REST AND DURING EXERCISE IN MILITARY TUBERCULOSIS
Julio Sandoval; Raul Cicero; Mario Seoane; Rogelio Perez-Padilla; Alejandro Quesada; Eulo Lupi-Herrera, Mexico City, Mexico
- 155 A QUALITATIVE COMPARISON OF PAPER FLOWSHEETS VS A COMPUTER-BASED CLINICAL INFORMATION SYSTEM
Jeffrey Hammond; Hiram Milton Johnson; Robin Varas; Charles Gillon Ward, Miami
- 158 PULMONARY ATRESIA WITH VENTRICULAR SEPTAL DEFECT: SELECTION OF PATIENTS FOR SYSTEMIC-TO-PULMONARY ARTERY SHUNT BASED ON ECHOCARDIOGRAPHY
Bruno Marino; Luciano Pasquini; Paolo Guccione; Salvatore Giannico; Maurizio Bevilacqua; Carlo Marcelletti, Rome, Italy
- 162 COMBINED THERMODILUTION AND TWO-DIMENSIONAL ECHOCARDIOGRAPHIC EVALUATION OF RIGHT VENTRICULAR FUNCTION DURING RESPIRATORY SUPPORT WITH PEEP
Francois Jardin; Dominique Brun-Ney; Anne Hardy; Philippe Aegerter; Alain Beauchet; Jean-Pierre Bourdarias, Boulogne, France
- 169 ENDOTOXEMIA IN HUMAN SEPTIC SHOCK
Robert L. Danner; Ronald J. Elin; Jeanette M. Hosseini; Robert A. Wesley; Joseph M. Reilly; Joseph E. Parillo, Bethesda
- 176 PERIPHERAL NERVE FUNCTION IN SEPSIS AND MULTIPLE ORGAN FAILURE
Norbert J. Witt; Douglas W. Zochodne; Charles F. Bolton; Francois Grand'Maison; George Wells; G. Bryan Young; William J. Sibbald, London and Ottawa, Canada
- 185 RESPIRATORY FAILURE AND DEATH FOLLOWING ACUTE INHALATION OF MERCURY VAPOR: A CLINICAL AND HISTOLOGIC PERSPECTIVE
Bradley Rowens; Diana Guerrero-Betancourt; Cary A. Gottlieb; Roderick J. Boyes; Michael S. Eichenhorn, Detroit
- 191 NEW DEVELOPMENTS IN ASBESTOS-INDUCED PLEURAL DISEASE
David A. Schwartz, Iowa City
- 199 THE HYPERVENTILATION CHALLENGE TEST: ANOTHER MEANS OF IDENTIFYING CORONARY VASOSPASM IN PATIENTS WITH ANGINA-LIKE CHEST PAIN
Gregory J. Magarian; Dennis J. Mazur, Portland, Oregon
- 205 THE NONINVASIVE RESPIRATORY CARE UNIT: PATTERNS OF USE AND FINANCIAL IMPLICATIONS
Ellen H. Elperin; Michael R. Silver; Robert L. Rosen; Roger C. Bone, Chicago
- 209 SUDDEN SUPERIOR MEDIASTINAL ENLARGEMENT
René Aalbers; Bert Piers; Anton Eygelaar; Pieter E. Postmus, Groningen, The Netherlands
- 211 IMAGING TECHNIQUES IN THE EVALUATION OF TRACHEOBRONCHIAL NEOPLASMS
Denise R. Aberle; Kathleen Brown; Duane A. Young; Poonam Batra; Richard J. Steckel, Los Angeles
- 216 PSYCHOSOCIAL ISSUES IN LUNG CANCER PATIENTS (PART 1)
Jurg Bernard, Bern, Switzerland; Patricia A. Ganz, Sepulveda, California
- 224 RABBIT SKELETAL MUSCLE PO₂ DURING HYPODYNAMIC SEPSIS
Guillermo Gutierrez, Houston; Niels Lund, Rochester, New York; Fernando Palizas, Buenos Aires, Argentina
- 230 NATURAL KILLER CELL ACTIVITY IN A RAT MODEL OF AMIODARONE-INDUCED INTERSTITIAL LUNG DISEASE
Jill P. Karpel; Sumi Mitsudo; Allen J. Norin, Bronx
- 235 MINUTE SQUAMOUS CELL CARCINOMA ARISING IN THE WALL OF A CONGENITAL LUNG CYST
Yutaka Usui; Kazuhiko Takabe; Shigemitsu Takayama; Hiroto Miura; Yuji Kimura, Kanagawa, Japan
- 237 PULMONARY REACTIONS CAUSED BY WELDING-INDUCED DECOMPOSED TRICHLOROETHYLENE
Bengt Sjögren; Mils Plato; Rolf Alexandersson; Anders Eklund; Claes Falkenberg, Stockholm and Solna, Sweden
- 239 RENAL VEIN THROMBOSIS: INITIAL MANIFESTATION OF GOODPASTURE'S SYNDROME
Andrew Gottehrer; Susan D. Reynolds; Jay J. Libys; Russell B. Stapleton; John E. Heffner; Charleston
- 240 LIGHTNING INJURY WITH LUNG BLEEDING IN A TRACHEOTOMIZED PATIENT
B. Soltermann; Adrian Frutiger; Max Kuhn, Chur, Switzerland
- 242 DI GEORGE ANOMALY WITH ATRIOVENTRICULAR CANAL
Bruno Marino; Carlo Marcelletti; Aldo Giannotti; Bruno Dallapiccola, Rome, Italy
- 243 OBLITERATIVE BRONCHOLITIS: VIRUS INDUCED?
George C. Marinopoulos; Kenneth R. L. Huddle; Helen Wainwright, Johannesburg, South Africa
- 245 DRUG-RESISTANT TUBERCULOSIS AFTER GASTRECTOMY: DOUBLE JEOPARDY?
Carolyn H. Welsh, Denver
- 247 TENSION PNEUMOTHORAX SECONDARY TO A GASTROPLEURAL FISTULA IN A TRAUMATIC DIAPHRAGMATIC HERNIA
Richard J. Schwab; Jeffrey G. Jarvik, Philadelphia
- 249 MAGNETIC RESONANCE IMAGING: THE EVALUATION OF CHOICE IN RESIDUAL SHUNT AFTER CONGENITAL HEART DISEASE SURGERY?
Gary E. Marais; Jeffrey G. Kegel; Himanshu S. Shah; Carmela Leonora; Sami Nazzari; Paul Stark, Loma Linda, California
- 251 PNEUMOCYSTIS CARINII PNEUMONIA; RARE CAUSE OF HEMOPTYSIS
D. A. Neville Mascarenhas; Viswanath P. Vasudevan; Kamini P. Vaidya, Brooklyn
- 253 NONSURGICAL TREATMENT OF HISTOPLASMA ENDOCARDITIS INVOLVING A BIOPROSTHETIC VALVE
David S. Kanawaty; M. John B. Stalker; Peter W. Munt, Kingston, Canada
- 256 AORTIC DISSECTION PRESENTING AS UPPER

AIRWAY OBSTRUCTION

Peter J. Giannoccaro; Jean-Francois Marquis; Kwan-Leung Chan; Virginia Walley; Rosemary J. Chambers, Ottawa, Canada

- 258 NONCARDIOGENIC PULMONARY EDEMA COMPLICATING MASSIVE DILTIAZEM OVERDOSE
Vernon H. Humbert, Jr; Nancy J. Munn; Randall F. Hawkins, Huntington, West Virginia

- 260 COST COMPARISON OF CARE FOR CHRONIC VENTILATOR PATIENTS
Frank J. Indihar, St. Paul

- 260 ECONOMIC COSTS OF SPONTANEOUS PNEUMOTHORAX
László Bense; Lars Gosta Wiman; Stefan Jendteg; Björn Lindgren, Huddinge, Sweden

- 261 EARLY DESCRIPTION OF ARDS
A. Bruce Montgomery, San Francisco

- 262 ANTIARRHYTHMIC EFFECT OF H-2 ANTIHISTAMINES
Andreas Frustaci; Marina Galderulo; Valerio di Rienzo; Matteo A. Russo; Nicola Gentiloni, Rome, Italy

- 263 CHLORINATED SOLVENTS, WELDING AND PULMONARY EDEMA
Anders Seiden; Lennart Sundell, Örebro, Sweden

- 263 HOW LONG DO PATIENTS WITH COR PULMONALE SECONDARY TO PULMONARY FIBROSIS SURVIVE?
N. C. Sybbalo, Umlata, Transkei, South Africa

- 264 ADVOCATE'S DISEASE
David H. Spodick, Worcester, Massachusetts

- 264 BRONCHIAL ASTHMA
Ramón E. Figueroa Lebrón, Hato Rey, Puerto Rico

- 264 RIGHT ATRIAL MYXOMA
Henry D. Storch, Olean, New York

NUMBER 2, FEBRUARY, 1991

- 265 PULMONARY FUNCTION AS A PHENOTYPE PHYSIOLOGIC MARKER OF CARDIOVASCULAR MORBIDITY AND MORTALITY
Scott T. Weiss, Boston

- 266 TUBERCULOSIS TREATMENT; RISK, BENEFIT AND PERSPECTIVE
Jeffrey Glassroth, Chicago

- 267 INTERPRETATION OF Pco₂ IN THE ASTHMATIC PATIENT
Marc H. Lavietes, Newark

- 268 CLINICAL APPLICATIONS OF SOLUBLE INTERLEUKIN-2 RECEPTOR IN GRANULOMATOUS DISEASE
Dean Schraufnagel, Chicago

- 270 LONG-TERM POSTTHORACOTOMY PAIN
Esther Dajczman; Ann Gordon; Harvey Kreisman; Norman Wolkow, Montreal, Canada

- 275 USE OF A BIOTINYLATED DNA PROBE SPECIFIC FOR THE HUMAN Y CHROMOSOME IN THE EVALUATION OF THE ALLOGRAFT LUNG
Samuel A. Yousem; Eni Sonmez-Alpan, Pittsburgh

- 280 UPPER-EXTREMITY DEEP VEIN THROMBOSIS AND PULMONARY EMBOLISM: A PROSPECTIVE STUDY
Manuel Monreal; Elena Lafoz; Joan Ruiz; Rafael Valls; Antoni Alastrue, Barcelona, Spain

- 284 DEEP VEIN THROMBOSIS; IMPLICATIONS AFTER OPEN HEART SURGERY
Giacomo A. DeLaria; James A. Hunter, Chicago

- 289 SERUM LEUKOTRIENE B₄ LEVELS IN PATIENTS WITH OBSTRUCTIVE PULMONARY DISEASE
Joram S. Seggev; William H. Thornton, Jr; James E. Edes, Columbia, Missouri

- 292 LYMPHOKINE-ACTIVATED KILLER CELL ACTIVITY IN LUNG CANCER
Ann LeFever; Akira Funahashi, Milwaukee

- 298 MAGNETIC RESONANCE IMAGING IN THE DIAGNOSIS OF PULMONARY INFARCTION
Romain Kessler; Philippe Fraisse; Denis Krause; Francis Veillon; André Vandevienne, Strasbourg, France

- 301 LONG-TERM THERAPY WITH DEFLAZACORT IN CHRONIC SARCOIDOSIS
Gianfranco Rizzato; Patrizia Fraioli; Lidia Montemurro, Milan, Italy

- 310 SOLUBLE INTERLEUKIN-2 RECEPTOR IN SERA OF PATIENTS WITH PULMONARY TUBERCULOSIS
Satsuki Takahashi; Yasuhiro Setoguchi; Toshihiro Nukui; Shiro Kira, Tokyo, Japan

- 315 PULMONARY FUNCTION AND CARDIOVASCULAR RISK FACTOR RELATIONSHIPS IN BLACK AND IN WHITE YOUNG MEN AND WOMEN: THE CARDIA STUDY
Millicent Higgins; Jacob B. Keller; Lynne E. Wagenknecht; Mary C. Townsend; David Sparrow; David R. Jacobs, Jr; Glenn Hughes

- 323 HEMODYNAMIC EFFECTS OF NASAL CPAP EXAMINED BY DOPPLER ECHOCARDIOGRAPHY
Judith A. Leach; Kathryn J. Asch, Ottawa, Canada

- 327 PULMONARY INVOLVEMENT IN THE EOSINOPHILIA-MYALGIA SYNDROME
Christopher K. Catton; Jeffrey C. Elmer; Alan C. Whitehouse; Jeffrey B. Clode; Robert I. Hustrulid, Spokane

- 330 RESPIRATORY MUSCLE STRENGTH AND CONTROL OF VENTILATION IN PATIENTS WITH NEUROMUSCULAR DISEASE
Ahmet Baydur, Los Angeles

- 339 EFFECT OF ETHANOL ON THE EFFICACY OF NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE AS A TREATMENT FOR OBSTRUCTIVE SLEEP APNEA
Richard B. Berry; Margaret M. Desa; Richard W. Light, Long Beach, California

- 344 COMPARATIVE STUDY OF *LEGIONELLA PNEUMOPHILA* AND OTHER NOSOCOMIAL-ACQUIRED PNEUMONIAS
Jorge Roig; Xavier Aguilar; Juan Ruiz; Christian Domingo; Eduardo Mesalles; José Manterola; José Morera, Badalona, Spain

- 351 THE EFFECT OF ESOPHAGEAL ACID VOLUME ON AROUSALS FROM SLEEP AND ACID CLEARANCE
William C. Orr; Malcolm G. Robinson; Lawrence F. Johnson

- 355 ADENOSINE DEAMINASE IN THE DIAGNOSIS OF TUBERCULOUS PLEURAL EFFUSIONS; A REPORT OF 218 PATIENTS AND REVIEW OF THE LITERATURE
José L. Bañales; Pedro R. Pineda; J. Mark Fitzgerald; Horacio Rubio; Moises Selman; Miguel Salazar-Lezama

- 356 AN EVALUATION OF THE ACCURACY OF ASSESS AND MINIWRIGHT PEAK FLOWMETERS
Steven M. Shapiro; Jay M. Hendler; Raja G. Ogirala; Thomas K. Aldrich; Michael B. Shapiro, Bronx

- 363 AMIODARONE-INDUCED PULMONARY TOXICITY; IMMUNOALLERGIC LOGIC TESTS AND BRONCHOALVEOLAR LAVAGE PHOSPHOLIPID CONTENT
Geneviève Nicolet-Chatelain; Marie-Claude Prevost; Roger Escamilla; Jean Miqueres, Toulouse, France

- 370 UTILITY OF BRONCHOSCOPIC SAMPLING TECHNIQUES FOR CRYPTOCOCCAL DISEASE IN AIDS
Vic M. Malabonga; Jeffrey Basti; Stephan L. Kamholz, Brooklyn

- 373 ACUTE PULMONARY EMBOLISM TRIGGERED BY THE ACT OF DEFECATION
Marin H. Kollef; David T. Schachter, Aurora, Colorado

- 377 MACROPHAGE COLONY-STIMULATING FACTOR ACTIVITY IN MALIGNANT PLEURAL EFFUSIONS; ITS AUGMENTATION BY INTRAPLEURAL INTERLEUKIN-2 INFUSIONS
Saburo Sone; Mie Nakanishi; Yasukazu Ohmoto; Hiroaki Yanagawa; Takeshi Ogura, Tokushima, Japan

- 382 CATECHOLAMINE-INDUCED CARDIOMYOPATHY IN MULTIPLE ENDOCRINE NEOPLASIA; A HISTOLOGIC, ULTRASTRUCTURAL, AND BIOCHEMICAL STUDY
Andrea Frustaci; Francesco Loperfido; Nicola Gentiloni; Marina Caldarulo; Emanuela Morgante; Matteo A. Russo, Rome, Italy

- 386 ISCHEMIA AND REPERFUSION DURING INTERMITTENT CORONARY OCCLUSION IN MAN; STUDIES OF ELECTROCARDIOGRAPHIC CHANGES AND CPK RELEASE
Aviv Mager; Samuel Sclarovsky; Mordechai Wurtzel; Hanoch Menkes; Boris Strasberg; Eldad Rechavia, Tel Aviv, Israel

- 393 EFFICACY AND SAFETY OF INTRAVENOUS NICARDIPINE IN THE CONTROL OF POSTOPERATIVE HYPERTENSION
IV Nicardipine Study Group

- 399 DOPPLER ECHOCARDIOGRAPHIC ASSESSMENT OF PROSTHETIC AORTIC VALVE FUNCTION; FINDINGS IN NORMAL VALVES
Toshiji Iwasaka; Charles Z. Naggar; Tetsuro Sugiura; Noritaka Tanumi; Yasuo Takayama; Mitsuo Inada, Osaka, Japan

- 404 ATOPY AND PRIMARY LUNG CANCER; HISTOLOGIC AND SEX DISTRIBUTION
Helen H. McDuffie, Saskatoon, Canada

- 408 INFLUENCE OF NONINVASIVE POSITIVE PRESSURE VENTILATION ON INSPIRATORY MUSCLES
Roger S. Goldstein; Jim A. De Rosie; Monica A. Avendano; Tom E. Dolmage, Toronto, Canada

- 416 PALPATION VS PEN METHOD FOR THE MEASUREMENT OF SKIN TUBERCULIN REACTION (MANTOUX TEST)

- Demosthenes Boursos; George Zeros; Charalambos Panaretos; Charalambos Vassiliatos; Nikolaos Siakfas, Athens, Greece

- 420 GAS EXCHANGE DURING MAXIMAL UPPER EXTREMITY EXERCISE
Timothy W. Martin; R. Jorge Zeballos; Idelle M. Weissman, El Paso, Texas

- 426 EFFECT OF FAST VS SLOW INTRALIPID INFUSION ON GAS EXCHANGE, PULMONARY HEMODYNAMICS, AND PROSTAGLANDIN METABOLISM
Mali Mathru; David J. Dries; Annette Zecca; Jawed Fareed; Michael W. Rooney; Tadikona L. K. Rao, Maywood, Illinois

- 430 THE OXYGEN UPTAKE-OXYGEN DELIVERY RELATIONSHIP DURING ICU INTERVENTIONS
Charles Weissman; Marcia Kemper, New York

- 436 EFFECTS OF INJECTION SITE ON THE ACCURACY OF THERMAL WASHOUT RIGHT VENTRICULAR EJECTION FRACTION MEASUREMENTS IN CLINICAL AND MODEL INVESTIGATIONS
Takasuke Imai; Keiichi Katoh; Hiroyuki Kani; Hiroshi Miyano; Tatsushi Fujita, Maebashi, Japan

- 444 DIAPHRAGMATIC PERFORMANCE DURING RECOVERY FROM ACUTE VENTILATORY FAILURE IN GUILLAIN-BARRÉ SYNDROME AND MYASTHENIA GRAVIS
Cecil O. Boret; Charles Tilford; David G. Nichols; Daniel F. Hanley; Richard J. Traystman, Baltimore

- 452 EFFECT OF CARDIAC OUTPUT REDUCTION ON RATE OF DESATURATION IN OBSTRUCTIVE APNEA
Eugene C. Fletcher; Sheila Goodnight White; Dominic Munalo; Charles C. Miller III; Rita Luckett; Wei Qian, Houston

- 457 EFFECTS OF INTRAVENOUS AMPHOTERICIN B INFUSION ON HEMODYNAMICS AND AIRWAY MECHANICS IN AWAKE SHEEP
William D. Hardie; Patrick E. Wright; Gordon R. Bernard, Nashville

- 463 POSTPRTUM PULMONARY INFILTRATES WITH PERIPHERAL EOSINOPHILIA
Douglas W. Dohager; Marlin H. Kollef, Aurora, Colorado

- 465 TOXIC HEPATITIS WITH ISONIAZID AND RIFAMPIN; A META-ANALYSIS
Malcolm A. Steele; Raymond F. Burk; Roger M. DesPrez, Nashville

- 472 MEDIASTINAL GERM CELL TUMORS; CLINICAL FEATURES AND BIOLOGIC CORRELATES
Craig R. Nichols, Indianapolis

- 480 PSYCHOSOCIAL ISSUES IN LUNG CANCER PATIENTS (PART 2)
Jürg Bernhard, Bern, Switzerland; Patricia A. Ganz, Sepulveda, California

- 486 ACUTE PULMONARY EDEMA IN A WOMAN WITH A PORCINE MITRAL VALVE
Rohit Sehgal; Dan J. Fintel; Richard Davison, Chicago

- 490 SEVEN-PATHOGEN TRICUSPID ENDOCARDITIS IN AN INTRAVENOUS DRUG ABUSER; PITFALLS IN LABORATORY DIAGNOSIS
Alan G. Adler; Emily A. Blumberg; David A. Schwartz; Stanley J. Russin; Rosalie Pepe

- 492 AUTO-PEEP DURING CPR; AN "OCULT" CAUSE OF ELECTROMECHANICAL DISSOCIATION?
Paul L. Rogers; Robert Schlichtig; Adelaida Miro; Michael Pinsky, Pittsburgh

- 493 ENDOBRONCHIAL ACTINOMYCOSIS SIMULATING BRONCHOGENIC CARCINOMA; DIAGNOSIS BY BRONCHIAL BIOPSY
Ilana Ariel; Raphael Breuer; Nidal S. Kamal; Issachar Ben-Dov; Paul Moghe; Eliezer Rosenmann, Jerusalem, Israel

- 496 PROGRESSIVE HEMOLYTIC ANEMIA DUE TO DELAYED RECOGNITION OF A BEALL MITRAL VALVE PROSTHESIS
Robert M. Saad; Mark W. Wolfe, Keesler AFB, Mississippi

- 498 THE ACUTE AND INSIDIOUS ONSET OF PULMONARY METASTATIC TRANSITIONAL CELL CARCINOMA
Thomas M. Fitzpatrick; Henry D. Covelli; Michael Tenholder, Bethesda

- 500 PULMONARY EMBOLISM PRESENTING AS EXERCISE-INDUCED HYPOTENSION
Stephen L. Sigal; Daniel M. Kolansky; Steven Hughes; Henry S. Cabin; William P. Batsford, New Haven

- 502 SPONTANEOUS PNEUMOTHORAX IN AIDS PATIENTS WITH RECURRENT PNEUMOCYSTIS CARINII PNEUMONIA DESPITE AEROSOLIZED PENTAMIDINE PROPHYLAXIS
Dean J. Shanley; Benoit A. Luyckx; Michael F. Haggerty; Thomas F. Murphy, Honolulu

- 504 PATHOLOGIC BRONCHIAL VASCULATURE IN A

- CASE OF MASSIVE HEMOPTYSIS DUE TO CHRONIC BRONCHITIS
Ronald P. Spark; Richard E. Sobonya; Robert J. Armbruster; Joseph D. Marco; Thomas C. Rotkis, Tucson
- 506 BILATERAL REEXPANSION PULMONARY EDEMA FOLLOWING UNILATERAL PLEUROCENTESIS
Mark W. Ragozzino; Reginald Greene, Boston
- 508 REGRESSION OF THE LEFT MAIN TRUNK LESION BY STEROID ADMINISTRATION IN TAKAYASU AORTITIS
Kanji Iga; Iwao Gohma; Kenjiro Hori, Tenri City, Japan
- 510 TREATMENT OF ATELECTASIS WITH SELECTIVE BRONCHIAL SUCTIONING: USE OF A CURVED-TIPPED CATHETER WITH A GUIDE MARK
Yukio Kubota; Yoshiro Toyoda; Hiroshi Kubota; Akira Asada; Kazuna Sugiyama, Osaka, Japan
- 512 MONITORING THE EFFECT OF CPAP ON LEFT VENTRICULAR FUNCTION USING CONTINUOUS MIXED-BLOOD SATURATION
Nathalie Perry; Didier Payen, Paris, France; Michael R. Pinsky, Pittsburgh
- 514 PSEUDO PRE-EXCITATION WITH CONCERTINA EFFECT IN IDIOVENTRICULAR TACHYCARDIA
Giuseppe Oreto; Antonino Donato; Scipione Careri, Messina, Italy
- 515 TOTAL LEFT MAIN CORONARY ARTERY OCCLUSION AFTER AORTIC ANEURYSM REPAIR AND VALVE REPLACEMENT
Nicholas L. DePace; Gerald M. Lemole; Nelson W. Wolf; Steven Downinsky; William Untereker; P. M. Spagna, Philadelphia
- 517 CARDIAC TAMPONADE AND CONTRALATERAL HEMOTHORAX AFTER SUBCLAVIAN VEIN CATHETERIZATION
Daniel Krauss; Gregory A. Schmidt, Chicago
- 519 ESTIMATION OF AUTO-PEEP
Mark A. Judson, Columbia, SC; Rolf D. Hubmayr, Peter C. Gay, Joseph R. Rodarte, Rochester, Minnesota; Bruce P. Krieger, Miami Beach; Jeff Schnader, Philadelphia; Robert F. Lodato, Houston; Martin J. Tobin, Hines, Illinois
- 522 LONG-TERM CONTINUOUS INFUSION OF LABETALOL
Leigh M. Vaughan; C. David Sudduth; Steven A. Sahn, Charleston, South Carolina
- 522 ALLERGISTS NON CARBORUNDUM
Jerry Dolovich; F. E. Hargreave; P. O'Byrne, Hamilton, Canada
- 522 USE OF PLEURAL ALKALINE PHOSPHATE AS CONTENT TO DIAGNOSE TUBERCULOUS EFFUSIONS
N. C. Syabbalo, Umtata, Transkei, South Africa
- 523 NEBULIZED IPRATRIPIUM IN THE TREATMENT OF ACUTE ASTHMA
Rob Higgins, Oxford, England
Response—Quentin Summers; Richard Tarala, Perth, Australia
- 524 METALLIC WEAKNESS AND BREAKAGE OF ABRAMS PLEURAL BIOPSY NEEDLE
Dun-Bing Chang; Pan-Chyr Yang; Li-Na Lee; Kwen-Tay Luh, Taipei, Taiwan, Republic of China
- 524 TIMING OF TRACHEOSTOMY IN PATIENTS WITH ARDS
Jonathan C. Yau, Houston
Response—John E. Heffner, Phoenix
- 525 CONTROL ROENTGENOGRAPHY AFTER FIBEROPTIC BRONCHOSCOPY
I. Sánchez Hernández; V. Villena Garrido; L. Hernández Blasco, Madrid, Spain
- 525 BRONCHODILATING EFFECT OF INTRAVENOUS MAGNESIUM SULFATE
Giovanni Rola; Caterina Bucca, Torino, Italy
- 526 SMOKING AND OLDER CHEST PHYSICIANS
Hiroshi Kawane, Kurashiki City, Okayama, Japan
Response—Edwin B. Fisher, Jr, St Louis; Robert D. Hill, Salt Lake City
- 526 RIGHT-TO-LEFT ATRIAL SHUNTING
Tsung O. Cheng, Washington, DC
- 527 PULMONARY INVOLVEMENT IN NON-HODGKIN'S MALIGNANT LYMPHOMAS
Alberto Roggeri; Sonia Prandi; Ido Iori, Reggio Emilia, Italy
- 527 METASTATIC CHORIOCARCINOMA OF THE LUNG PRESENTING AS HEMOTHORAX
C. David Sudduth; Charlie Strange; Barry A. Campbell; Steven A. Sahn, Charleston, South Carolina
- 528 OCCUPATIONAL ASTHMA IN A DEVELOPING COUNTRY
N. Syabbalo, Umtata, Transkei, South Africa
- 528 ERRATA
- 529 THROMBOLYSIS: GO WITH THE FLOW
Eric J. Topol, Ann Arbor
- 530 IDENTIFYING PATIENTS WITH HIGH RISK OF HIGH COST
Daniel Teres; John Rapoport, Springfield and South Hadley, Massachusetts
- 531 SOME METHODOLOGIC AND PRACTICAL ISSUES OF REPORTED SNORING VALIDITY
Terry B. Young, Madison, Wisconsin
- 533 TREATMENT OF END-STAGE CHRONIC OBSTRUCTIVE DISEASE WITH DOUBLE LUNG TRANSPLANTATION
Robert W. Emery; Joseph L. Graif; Kathryn Hale; Frazier Eales; Thomas J. Von Rueden; Marc R. Pitzker; Kathryn Love; Kit V. Aram, Minneapolis
- 538 RADIATION-ASSOCIATED VALVULAR DISEASE
Robert G. Carlson; William R. Mayfield; Sigurd Normann; James A. Alexander, Gainesville, Florida
- 546 ACID PHOSPHATASE (EC 3.1.3.2) ACTIVITY IN ALVEOLAR MACROPHAGES FROM PATIENTS WITH ACTIVE SARCOIDOSIS
Armando Capelli; Mirco Lusuardi; Sonia Carli; Claudio F. Donner, Verona, Italy
- 551 HYPOXIC PULMONARY VASOCONSTRICTION IN SYSTEMIC SCLEROSIS AND PRIMARY PULMONARY HYPERTENSION
John M. Morgan; Mark Griffiths; Ron M. du Bois; Timothy W. Evans, London, England
- 557 CARDIOTOXICITY OF INTERFERON: A REVIEW OF 44 CASES
Moshe Sonnenblick; Arnold Rosin, Jerusalem, Israel
- 562 SAFETY OF THE TRANSBRONCHIAL BIOPSY IN OUTPATIENTS
Luis Hernández Blasco; Ignacio M. Sánchez Hernández; Victoria Villena Garrido; Eduardo de Miguel Poch; Manuel Nuñez Delgado; José Alfaro Abreu, Madrid, Spain
- 566 VARIABILITY OF BREATHLESSNESS MEASUREMENT IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE
Michael J. Belman; Lawrence R. Brooks; David J. Ross; Zab Mosenifar, Los Angeles
- 572 LUNG MECHANICS AND GAS EXCHANGE DURING EXERCISE IN PULMONARY SARCOIDOSIS
Ingela Brådvik; Per Wollmer; Berith Blom-Bülow; Ulf Albrechtsson; Björn Jonson, Lund, Sweden
- 579 INDIVIDUALIZED AEROBIC AND HIGH INTENSITY TRAINING FOR ASTHMATIC CHILDREN IN AN EXERCISE READAPTATION PROGRAM: IS TRAINING ALWAYS HELPFUL FOR BETTER ADAPTATION TO EXERCISE?
Alain L. Varray; Jacques G. Mercier; Claude M. Terral; Christian G. Prefaut, Montpellier, France
- 587 STAIR CLIMBING AS AN EXERCISE TEST TO PREDICT THE POSTOPERATIVE COMPLICATIONS OF LUNG RESECTION; TWO YEARS' EXPERIENCE
Gerald N. Olsen; J. W. Randolph Bolton; Darryl S. Weiman; Carlton A. Hornung, Columbia, SC
- 591 OXYGEN DESATURATION DURING FIBEROPTIC BRONCHOSCOPY IN PEDIATRIC PATIENTS
Bruce M. Schnapf, San Antonio
- 595 SPIROMETRIC CRITERIA FOR HOSPITAL ADMISSION OF PATIENTS WITH ACUTE EXACERBATION OF COPD
Charles L. Emerman; David Effron; Thomas W. Lukens, Cleveland
- 600 RELATIVE VALIDITY OF SELF-REPORTED SNORING AS A SYMPTOM OF SLEEP APNEA IN A SLEEP CLINIC POPULATION
Donald L. Blwise; Jamie C. Nekich; William C. Dement, Stanford
- 609 PULMONARY TOLERANCE OF PROPHYLACTIC AEROSOLIZED PENTAMIDINE IN HUMAN IMMUNODEFICIENCY VIRUS-INFECTED PATIENTS
Françoise Camus; Carole de Picciotto; Annie Lepêtre; Roland Landman; Pierre-Marie Girard, Paris, France
- 613 THORACOCARDIOGRAPHY, PART 1: NONINVASIVE MEASUREMENT OF CHANGES IN STROKE VOLUME COMPARISONS TO THERMODILUTION
Marvin A. Sackner; Richard A. Hoffman; David Stroh; Bruce P. Krieger, Miami Beach
- 623 SERUM ADENOSINE DEAMINASE IN VIRAL AND BACTERIAL PNEUMONIA
Matti Klockars; Marjaana Kleemola; Marja Leinonen; Matti Koskela, Helsinki and Oulu, Finland
- 627 COMBINED NASAL INTERMITTENT POSITIVE-PRESSURE VENTILATION AND ROCKING BED IN CHRONIC RESPIRATORY INSUFFICIENCY; NOCTURNAL VENTILATORY SUPPORT OF A DISABLED PERSON AT HOME
Allen I. Goldberg; Roy D. Cane; Dudley Childress; Yeongchi Wu; Lawrence C. Vesely; Margaret Pfommer, Chicago
- 630 INTERMITTENT ABDOMINAL PRESSURE VENTILATOR IN A REGIMEN OF NONINVASIVE VENTILATORY SUPPORT
John R. Bach; Augusta S. Alba, Newark
- 637 LUNG BETA-ADRENOCEPTORS IN PULMONARY HYPERTENSION; A STUDY OF BIOPSY SPECIMENS IN CHILDREN WITH CONGENITAL HEART DISEASE
Antonio A. B. Lopes; Maria H. Liberato; Maria M. Brentani; Vera D. Aiello; Arlindo Almeida Riso; Munir Ebaid, Sao Paulo, Brazil
- 642 SYSTEMIC TO PULMONARY BRONCHIAL BLOOD FLOW IN MITRAL STENOSIS
Piergiuseppe Agostoni; Marco Agrifoglio; Vincenzo Arena; Elisabetta Doria; Andreas Sala; Giuseppe Susini, Milan, Italy
- 646 CHANGES IN LEFT VENTRICULAR DIASTOLIC FILLING PATTERNS BY DOPPLER ECHOCARDIOGRAPHY IN CYSTIC FIBROSIS
Gregory L. Johnson; Jamshed F. Kanga; Claudine B. Moffett; Jacqueline A. Noonan, Lexington, Kentucky
- 651 CATHETER-INDUCED TRICUSPID REGURGITATION; INCIDENCE AND CLINICAL SIGNIFICANCE
David Stewart; Robert B. Lerman; Jackie Kaiser; Douglas L. Mann, Charleston, SC
- 656 PNEUMOCYSTIS CARINII PNEUMONIA COMPLICATING MULTIPLE MYELOMA
R. Scott McKenzie; Luther D. Glenn; Jonathan C. Goldsmith, Omaha
- 660 DACRON-WOVEN PACEMAKER POUCH: INFLUENCE ON LONG-TERM PACEMAKER MOBILITY
Adrian H. Shandling; Myrvin H. Eliestad; Mark J. Castellano; John C. Messenger, Long Beach
- 663 IMPAIRED EXERCISE CAPACITY IN ADULTS WITH MODERATE SCLEROSIS
Steven Kesten; Susan K. Garlinker; Thomas Wright; Anthony S. Rebeck, Toronto, Canada
- 667 DIAGNOSIS OF DISEASE CAUSED BY MYCOBACTERIUM AVIUM COMPLEX
Michio Tsukamura, Aichi, Japan
- 670 ERYTHROMYCIN REDUCES THE SEVERITY OF BRONCHIAL HYPERRESPONSIVENESS IN ASTHMA
Hiroyuki Miyatake; Fumio Taki; Hiroyuki Taniguchi; Ryujiro Suzuki; Kenzo Takagi; Tatsuo Satake, Nagoya, Japan
- 674 IL-1 AND IL-1 INHIBITORY ACTIVITY IN THE CULTURE SUPERNATANTS OF ALVEOLAR MACROPHAGES FROM PATIENTS WITH INTERSTITIAL LUNG DISEASES
Sonoko Nagai; Htin Aung; Minoru Takeuchi; Kaoru Kusume; Takateru Izumi, Kyoto, Japan
- 681 INTERMITTENT VOLUME CYCLED MECHANICAL VENTILATION VIA NASAL MASK IN PATIENTS WITH RESPIRATORY FAILURE
William Marino, Bronx
- 685 PATTERNS OF RESOURCE CONSUMPTION IN MEDICAL INTENSIVE CARE
Robert K. Oye; Paul E. Bellamy, Los Angeles
- 690 REVERSIBLE DECREASE OF OXYGEN CONSUMPTION BY HYPEROXIA
Konrad Reinhart; Frank Bloos; Frank König; Donald Bredle, (Kent, Ohio); Lutz Hannemann, Berlin, Germany
- 695 THE EFFECT OF DUODENOJEJUNAL ALIMENTATION ON GASTRIC pH AND HORMONES IN INTENSIVE CARE UNIT PATIENTS
A. Joseph Layon; Orlando G. Florete, Jr; Arthur L. Day; Robert A. Kilroy; Peggy B. James; James E. McGuigan, Gainesville, Florida
- 703 CONTINUOUS TRENDING OF FICK VARIABLES IN THE CRITICALLY ILL PATIENT
Thomas J. Quinn; Charles Weissman; Marcia Kemper, New York
- 708 EFFECTS OF HYDRALAZINE AND INCREASED CARDIAC OUTPUT ON RECOMBINANT TISSUE PLASMINOGEN ACTIVATOR-INDUCED THROMBOLYSIS IN CANINE PULMONARY EMBOLISM
Richard M. Prewitt; Andrew M. T. Downes; Shian Gu; S. Ming Chan; John Ducas, Winnipeg, Canada
- 715 RIGHT VENTRICULAR DYSFUNCTION IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE: EVALUATION AND MANAGEMENT
James R. Klinger; Nicholas S. Hill, Providence
- 724 ACUTE AORTIC DISSECTION
Jehad Y. Astoura; Donald G. Vitt, Cleveland
- 730 INDICATIONS FOR SPIROMETRY IN OUTPATIENTS WITH RESPIRATORY DISEASE
Michael W. Owens; William McD. Anderson; Ronald B. George, Shreveport
- 735 ACTIVE VS PASSIVE RHYTHMS AS AN EXPLANATION OF BIGEMINAL RHYTHM WITH SIMILAR P WAVES

- Antonio Bayes de Luna; Josep Guindo; Eduard Homs; Cristian Madoery; Ruben Lamic; Pedro Iurraide, Barcelona, Spain; Mexico City, Mexico
- 737 CHEST PAIN AND THORACO-ABDOMINAL MASS
Isabelle Monnet; Patrick Chariot; Patrick Cabanis; Hubert de Cremoux, Creteil, France
- 739 MYOCARDIAL INFARCTION WITH MULTIPLE COMPLICATIONS
R. Joe Noble, Indianapolis
Comments: William G. Stevenson, Los Angeles, Morton E. Tavel, Indianapolis
- 742 DETECTION AND LOCALIZATION OF EARLY LUNG CANCER BY IMAGING TECHNIQUES
Branko Palic; Stephen Lam; Jaclyn Hung; Calum MacAuley, Vancouver, Canada
- 744 ERYTHEMA AND EDEMA OF THE BREAST WITH RESPIRATORY FAILURE
Janet I. McMahon; Joseph A. Fedrick; Michael F. Tenholder, Augusta, Georgia
- 747 BARIUM SULFATE BRONCHOGRAPHY; REPORT OF A COMPLICATION
Dennis L. Buschman, Denver
- 750 SLEEPWALKING PRECIPITATED BY TREATMENT OF SLEEP APNEA WITH NASAL CPAP
Richard P. Millman; Gerard J. Kipp; Mary A. Carskadon, Providence
- 752 MILIARY TUBERCULOSIS PRESENTING AS HEPATIC AND RENAL FAILURE
Jeffrey F. Godwin; A. Atwell Coleman; Steven A. Sahn, Charleston, SC
- 754 PARADOXIC AIR EMBOLISM IN THE ABSENCE OF AN INTRACARDIAC DEFECT
Michael Black; James Calvin; Kwan L. Chan; Virginia M. Walley, Ottawa, Canada
- 756 HYPERCAPNIC RESPIRATORY FAILURE DUE TO L-TRYPTOPHAN-INDUCED EOSINOPHILIC POLYMYOSITIS
Mark Ivey; Michael S. Eichenhorn; Mark R. Glasberg; Robert C. Hyzy, Detroit
- 757 LEFT ATRIAL BACTERIAL MURAL ENDOCARDITIS
Gordon S. Bierbrier; Richard J. Novick; Colette Guiraudon; Gerald Wisenberg; Derek Boughner, London, Canada
- 759 SUBCUTANEOUS AND MEDIASTINAL EMPHYSEMA ASSOCIATED WITH HYPERSENSITIVITY PNEUMONITIS
Yoichiro Ichikawa; Naoto Tokunaga; Masaharu Kinoshita; Toru Rikimaru; Masaro Kaji, Fukuoka, Japan
- 761 USE OF INDIUM-111 LABELED WHITE BLOOD CELL SCAN IN THE DIAGNOSIS OF CYTOMEGALOVIRUS PNEUMONIA IN A RENAL TRANSPLANT RECIPIENT WITH A NORMAL CHEST ROENTGENOGRAM
Kenneth Chinsky; Daniel M. Goodenberger, St. Louis
- 763 POTENTIALLY FATAL ASTHMA AND SYNCOPE; A NEW VARIANT OF MUNCHHAUSEN'S SYNDROME IN SPORTS MEDICINE
Jonathan A. Bernstein; Mark S. Dykewicz; Phillip Hissand; Roy Patterson, Chicago
- 765 PERICARDITIS WITH TAMPONADE DUE TO CYTOMEGALOVIRUS IN THE ACQUIRED IMMUNODEFICIENCY SYNDROME
Paul E. Nathan; Edward L. Arsura; Marcelo Zappi
CENTRAL NERVOUS HYPERVENTILATION IN INVASIVE LARYNGEAL CARCINOMA
Basim A. Dubaybo; Imran Afridi; Maha Hussain, Detroit
- 769 HYPERTROPHIC OSTEOARTHROPATHY IN ASSOCIATION WITH PULMONARY TUBERCULOSIS
Paul Kelly; Patrick Manning; Patricia Corcoran; Luke Clancy, Dublin, Ireland
- 770 SPONTANEOUS REGRESSION OF CARDIOMYOPATHY IN A PATIENT WITH THE ACQUIRED IMMUNODEFICIENCY SYNDROME
Joseph F. Hakas, Jr; Thomas Generalovich, Pitts-burgh
- 772 FATAL ADULT RESPIRATORY DISTRESS SYNDROME FOLLOWING SUCCESSFUL TREATMENT OF PULMONARY STREPTOCOCCAL INFECTION
John Randall Thompson; Rolando Berger, Lexington, Kentucky
- 774 PLEURAL PNEUMOCYSTIS CARINII INFECTION
Peter Mariuz; Mario C. Ravignone; Ira A. Gould; Michael P. Mullen, New York
- 776 RESPONSE OF DIFFUSION CAPACITY IN THE TREATMENT OF TROPICAL EOSINOPHILIA
Jack M. Mann; Albert E. Hourik, Brooklyn
- 777 MANAGEMENT OF AN EXTENSIVE TRACHEOESOPHAGEAL FISTULA BY CERVICAL ESOPHAGEAL EXCLUSION
Rodney J. Landreneau; Stephen R. Hazlerigg; Theresa M. Boley; Joel A. Johnson; Jack L. Curtis, Columbia, Missouri
- 780 CORONARY ARTERY FISTULA FORMATION SECONDARY TO PERMANENT PACEMAKER PLACEMENT
Kooroush Saedian; Timothy Vellings; Paul Troup; Jule Wetherbee, Milwaukee
- 781 UNUSUAL PRESENTATION OF RECURRENT WEGENER'S GRANULOMATOSIS
Carin E. Dugowson; Moira L. Aitken, Seattle
- 784 VENOUS AIR EMBOLISM; DIAGNOSIS OF SPONTANEOUS RIGHT-SIDED CONTRAST ECHOCARDIOGRAPHY
Richard H. Marcus; Lynn Weinert; Alex Neumann; Kenneth M. Borow; Roberto M. Lang, Chicago
- 786 A STANDARDIZED METHOD FOR DETERMINATION OF WHO SHOULD BE LISTED AS AUTHORS ON SCHOLARLY PAPERS
Richard B. Rafal, New York
- 787 SEVERE PULMONARY HYPERTENSION WITH DIFFUSE SMOOTH MUSCLE PROLIFERATION OF THE LUNGS
Sergiusz Jozwiak, Warsaw, Poland
Response—Aguiles J. Roncoroni; Juan A. Barcat, Buenos Aires, Argentina
- 787 CLOSURE OF CHRONIC BRONCHOPLEURAL FISTULA
Alon Yellin; Yair Lieberman, Tel Hashomer, Israel
Response—Jean-Marie Tschopp, Montana, Switzerland
- 788 PULMONARY HAMARTOMA SYNDROME
Leon K. Lacquet, Nijmegen, The Netherlands
- 788 PSYCHOBIOLOGIC (AND PHARMACOLOGIC) ASPECTS OF ASTHMA AND THE CONSEQUENT RESEARCH IMPLICATIONS
David M. Lang, Detroit
Response—Peter M. Yellowlees, Broken Hill, NSW, Australia
- 789 ADENOSINE DEAMINASE AND LYMPHOCYTIC POPULATIONS
Somchai Bovornkitti; Rungson Pashpakorn; Nanta Maranetra; Arth Nana; Suchai Charoanatanakul, Bangkok, Thailand
Response—Manuel Fontes Baganha; Alice Pego; Maria A. Lima; Ermelinda V. Gaspar; Antonio Robalo Cordeiro, Coimbra, Portugal
- 790 PLEUROSCOPY—AN UNDERESTIMATED DIAGNOSTIC PROCEDURE IN PLEURAL EFFUSION
Ramon Rami-Porta; Jose Luis Heredia; Miguel Cuesta; Lucia Ortega; Isabel Mir, Terrasa (Barcelona), Spain
Response—Nicholas A. Smyrniotis; Peter J. Jedralnic; Richard S. Irwin, Worcester, MA
- 791 OCCURRENCE OF MITRAL VALVE PROLAPSE IN NONSMOKER SPONTANEOUS PNEUMOTHORAX PATIENTS
Laszlo Bense; Olof Edhag; Gunnar Eklund; Karl-Erik Karlberg, Stockholm, Sweden
- 792 TRACHEOBRONCHIAL STENTS AND FIBROPTIC BRONCHOSCOPY
F. Rodriguez de Castro; L. Lopez; A. Varela; J. Freixint, Las Palmas de Gran Canaria, Spain
Response—Jean-Francois Dumon, Marseille, France
- 792 ERRATUM
John M. McAdam, New York
- NUMBER 3, MARCH, 1991 (Supplement)**
- 1S INTRODUCTION
Talmadge E. King, Jr; Scott Worthen, Denver
- 2S RESOLUTION OF INFLAMMATION; A PERSPECTIVE
Peter M. Henson, Denver
- 6S APOPTOSIS (PROGRAMMED CELL DEATH) AND FUNCTIONAL CHANGES IN AGING NEUTROPHILS; MODULATION BY INFLAMMATORY MEDIATORS
C. Haslett; A. Lee; J. S. Savill; L. Meagher; M. K. Whyte, London, England
- 6S MACROPHAGE VITRONECTIN RECEPTOR, CD36, AND THROMBOSPONDIN COOPERATE IN RECOGNITION OF NEUTROPHILS UNDERGOING PROGRAMMED CELL DEATH
John Savill; Nancy Hogg, Chris Haslett, London, England
- 7S REGULATION OF NEUTROPHIL FUNCTION BY ACUTE-PHASE REACTANTS; IMPLICATIONS FOR RESOLUTION OF THE ADULT RESPIRATORY DISTRESS SYNDROME
Thomas M. Hyers; R. R. Kew; J. Kresk-Staples; R. Heuertz; R. O. Webster, St. Louis
- 9S HUMAN MACROPHAGES SECRETE PLATELET-ACTIVATING FACTOR ACETYLHYDROLASE; A MECHANISM FOR RESOLUTION OF PULMONARY INFLAMMATION
Mark R. Elstad; D. M. Stafforini; S. M. Prescott; T. M. McIntyre; G. A. Zimmerman, Salt Lake City
- 11S PATTERNS OF LUNG REPAIR; A MORPHOLOGIST'S VIEW
Charles Kuhn, Providence, Rhode Island
- 15S EPIGENETIC AUTOCRINE AND PARACRINE FACTORS REGULATING LUNG MORPHOGENESIS; A PARADIGM FOR LUNG REPAIR
David Warburton, Los Angeles
- 18S CYTOSKELETAL AND CONTRACTILE PROTEIN DISTRIBUTION IN LUNG DEVELOPMENT AND INJURY
J. J. Mitchell; J. Woodcock-Mitchell; K. Leslie; D. E. Rannels; R. B. Low, Hershey
- 20S REAGENTS THAT INHIBIT FIBRONECTIN MATRIX ASSEMBLY OF CULTURED CELLS ALSO INHIBIT LUNG BRANCHING MORPHOGENESIS *IN VITRO*; IMPLICATIONS FOR LUNG DEVELOPMENT, INJURY, AND REPAIR
J. Roman; E. C. Crouch; J. A. McDonald, St. Louis
- 21S BOMBESIN MAY PLAY A ROLE IN FETAL LUNG GROWTH AND MATURATION *IN UTERO* AND IN LUNG ORGAN CULTURE
M. E. Sunday; J. Hua; J. Torday, Boston
- 22S ROLE OF THE EPITHELIUM IN LUNG REPAIR
Hanspeter Witschi, Davis, California
- 25S ALVEOLAR EPITHELIAL CELLS EXPRESS BOTH PLASMINOGEN ACTIVATOR AND TISSUE FACTOR; POTENTIAL ROLE IN REPAIR OF LUNG INJURY
Bruce C. Marshall; Brent R. Brown; Mark A. Rothstein; N. V. Rao; John R. Hoidal; George M. Rodgers, Salt Lake City
- 27S HYPERTROPHIC ALVEOLAR TYPE II CELLS ISOLATED AFTER SILICA-INDUCED LUNG INJURY ARE PROGRESSING THROUGH THE CELL CYCLE AND MAINTAIN A COMMITMENT TO DNA SYNTHESIS IN PRIMARY CULTURE
Ralph J. Panos; Robert J. Mason, Denver
- 28S EPITHELIAL INJURY IS A CRITICAL FACTOR IN THE DEVELOPMENT OF PULMONARY FIBROSIS FOLLOWING MULTIPLE EPISODES OF INFLAMMATION
D. M. Hyde; J. M. Nakashima; J. A. Harris; S. N. Giri, Davis, California
- 28S MODULATION OF CELLULAR REPAIR RESPONSE PATTERNS
A. Francine Tryka; Hanspeter Witschi
- 31S RESPONSE OF RAT TYPE II PNEUMOCYTES TO HYPEROXIC INJURY
Linda Nici; Richard Dowin; Maureen Gilmore-Hebert; James D. Jamieson; David H. Ingbar, New Haven
- 34S CONTROL OF CAPILLARY GROWTH AND DIFFERENTIATION BY EXTRACELLULAR MATRIX; USE OF A TENSEGRITY (TENSIONAL INTEGRITY) MECHANISM FOR SIGNAL PROCESSING
Donald E. Ingber, Boston
- 40S MECHANISMS OF ALVEOLAR FIBROSIS FOLLOWING ACUTE LUNG INJURY; PRESENCE OF ANGIOGENESIS BIOACTIVITY IN THE LOWER RESPIRATORY TRACT
C. Henke; D. Knighton; M. Wick; F. Fiegel; P. Bitterman, Minneapolis
- 41S VASCULAR CONNECTIVE TISSUE IS RAPIDLY DEGRADED DURING EARLY REGRESSION OF PULMONARY HYPERTENSION
Carol A. Tozzi; Frank J. Wilson; Shiu Y. Yu; Rena F. Bannett; Bonnie W. Peng; David J. Riley
- 42S DETERMINATION OF TRANSFORMING GROWTH FACTOR-BETA mRNA LEVELS IN PULMONARY ARTERIES FROM NORMAL AND HYPOXIC CALVES
M. Botney; W. Parks; K. Stenmark; R. Mecham, Denver
- 43S CONNECTIVE TISSUE PRODUCTION BY VASCULAR SMOOTH MUSCLE IN DEVELOPMENT AND DISEASE
Robert P. Mecham; Kurt R. Stenmark; William C. Parks, St. Louis
- 47S SMOOTH MUSCLE ACTIN IS EXPRESSED BY AIR SPACE FIBROBLAST-LIKE CELLS IN IDIOPATHIC PULMONARY FIBROSIS AND HYPERSENSITIVITY PNEUMONITIS
Kevin Leslie; Talmadge E. King, Jr; Robert Low, Denver
- 48S TROPOLASTIN PRE-mRNA IS ALTERNATIVELY SPLICED AT DIFFERENT FREQUENCIES DURING RAT LUNG DEVELOPMENT
R. Heim; R. Pierce; S. Deak; C. Boyd; D. Riley; C. Stolle, New Brunswick, New Jersey
- 49S EVALUATION OF EXTRACELLULAR MATRIX TURNOVER; METHODS AND RESULTS FOR NORMAL HUMAN LUNG PARENCHYMAL ELASTIN
E. Campbell; J. Pierce; S. Endicott; S. Shapiro
- 50S PLATELET-DERIVED GROWTH FACTOR PRO-

DUCTED BY PULMONARY CELLS

- Arnold R. Brody; James C. Bonner, Research Triangle Park, North Carolina
- 52S EXPRESSION OF PLATELET-DERIVED GROWTH FACTOR A-CHAIN (PDGF-A) mRNA IN LUNG TISSUE AND CELLS: COMPLEX REGULATION DURING REMODELING
James F. Fabisiak; John N. Evans; Marlene Absher; David Gannon; Jason Kelley
- 54S ASBESTOS-INDUCED ALVEOLAR INJURY: EVIDENCE FOR MACROPHAGE-DERIVED PDGF AS A MEDIATOR OF THE FIBROGENIC RESPONSE
J. C. Bonner; A. R. Brody, Research Triangle Park, North Carolina
- 55S ANALYSIS OF LOCAL MRNA EXPRESSION FOR EXTRACELLULAR MATRIX PROTEINS AND GROWTH FACTORS USING *IN SITU* HYBRIDIZATION IN FIBROPROLIFERATIVE LUNG DISORDERS
Andrew H. Limper; Thomas J. Broekmann; Thomas V. Cobby; Giuseppe Malizio; John A. McDonald, St. Louis
- 57S THE COMMONALITY OF CUTANEOUS WOUND REPAIR AND LUNG INJURY
Richard A. Clark, Stony Brook, New York
- 61S ROLE OF TRANSFORMING GROWTH FACTOR-BETA IN REPAIR AND FIBROSIS
Rajendra Raghow, Memphis
- 65S BLEOMYCIN REGULATION OF TRANSFORMING GROWTH FACTOR-BETA MRNA IN RAT LUNG FIBROBLASTS AND SUBPOPULATIONS
K. Cutroneo; E. Breen; M. Absher; S. Phan
- 65S ENHANCED EXPRESSION AND IMMUNOHISTOCHEMICAL DISTRIBUTION OF TRANSFORMING GROWTH FACTOR-BETA IN IDIOPATHIC PULMONARY FIBROSIS
N. Khalil; R. O'Connor; H. Unruh; P. Warren; A. Kemp; A. Greenberg, Winnipeg, Canada
- 66S TRANSFORMING GROWTH FACTOR-BETA PRODUCTION BY DOG MASTOCYTOCYTES: STORAGE AND RELEASE FROM MAST CELL GRANULES
D. Pennington; P. Thomas; A. Lopez; W. Gold, San Francisco
- 66S BLEOMYCIN STIMULATES PRODUCTION OF TRANSFORMING GROWTH FACTOR-BETA BY RAT PULMONARY ARTERY ENDOTHELIAL CELLS
S. H. Phan; M. Ghare-Kermani; F. Wolter; U. S. Ryan, St. Louis
- 67S REGULATION OF LUNG COLLAGEN PRODUCTION DURING WOUND HEALING
Geoffrey J. Laurent, London, England
- 70S HYDROXYLATION OF COLLAGEN BY LUNGS OF RATS ADMINISTERED BLEOMYCIN
J. A. Last; J. E. Gerriets; L. G. Armstrong; T. R. Gelzleichter; K. M. Reiser, Davis, California
- 70S MOLECULAR INTERACTIONS OF ISOLATED RAT TYPE II PNEUMOCYTES WITH COMPONENTS OF EXTRACELLULAR MATRICES *IN VITRO*
Philip L. Sannes; Barry Peter; Kenneth B. Adler, Raleigh
- 71S COLLAGEN SYNTHESIS AND DEGRADATION BY SYSTEMIC SCLEROSIS LUNG FIBROBLASTS: RESPONSES TO TRANSFORMING GROWTH FACTOR-BETA
N. K. Harrison; A. C. Argenti; R. J. McAnulty; C. M. Black; B. Corrin; G. J. Laurent, London, England
- 73S MONONUCLEAR CELL-FIBROBLAST INTERACTIONS IN HUMAN LUNG
Jack A. Elias; Robert Kotloff, New Haven
- 79S INDUCTION OF TRANSCRIPTION AND SECRETION OF TGF- α BY ACTIVATED HUMAN MONOCYTES
D. K. Madtes; L. T. Malden; E. W. Raines; R. Ross, Seattle
- 79S INSULIN-LIKE GROWTH FACTOR-1 (IGF-1) MRNA EXPRESSION IN BONE MARROW DERIVED MACROPHAGES IS STIMULATED BY CHRYSO-THALE ASBESTOS AND BLEOMYCIN
P. W. Noble; P. M. Henson; D. W. H. Riches, Denver
- 80S PULMONARY MACROPHAGE INTERLEUKIN-1 AND TUMOR NECROSIS FACTOR- α PRODUCTION IN CHRONIC LUNG INJURY AND REMODELING
Gerald S. Davis, Burlington, Vermont
- 81S FIBROPROLIFERATIVE DISORDERS
Peter B. Bitterman; Craig A. Henke, Minneapolis
- 84S MECHANISMS OF TRANSFORMING GROWTH FACTOR-BETA-INDUCED COLLAGEN FORMATION BY HUMAN LUNG FIBROBLASTS
A. Fine, R. H. Goldstein, Boston
- 85S TRANSFORMING GROWTH FACTOR-BETA PRODUCTION BY LUNG MACROPHAGES AND FIBROBLASTS
Jason Kelley; Elizabeth J. Kovacs; Kieran Nicholson;

James P. Fabisiak

- 87S IDIOPATHIC PULMONARY FIBROSIS: A PARADIGM FOR LUNG INJURY AND REPAIR
John A. McDonald, St. Louis

NUMBER 4, APRIL, 1991

- 793 BRONCHODILATORS IN COPD; TO THE MAX
Sharon F. Levy, Philadelphia
- 794 THE ROLE OF CHEST CT IN EVALUATION OF THE FIBRILE BONE MARROW TRANSPLANT RECIPIENT
Janet E. Kuhlman, Baltimore
- 795 CLINICAL APPLICATIONS OF FORCED OSCILLATION TECHNIQUE
M. Demedts; J. A. Van Noord; K. P. Van De Woestijne, Leuven, Belgium
- 798 BENEFITS OF A MULTIDISCIPLINARY PULMONARY REHABILITATION PROGRAM: IMPROVEMENTS ARE INDEPENDENT OF LUNG FUNCTION
Michael S. Niederman; Patricia Henderson Clemente; Alan M. Fein; Steven H. Feinsilver; Deborah A. Robinson; Jonathan S. Ilowitz; Mara G. Bernstein, Stony Brook, New York
- 805 PREDICTORS OF IMPROVEMENT IN THE 12-MINUTE WALKING DISTANCE FOLLOWING A SIX-WEEK OUTPATIENT PULMONARY REHABILITATION PROGRAM
Richard L. ZuWallack; Kaushik Patel; Jane Z. Reardon; Bernard A. Clark III; Edgar A. Normandin, Farmington, CT
- 809 DIAGNOSTIC, MORPHOLOGIC, AND HISTOPATHOLOGIC CORRELATES IN BRONCHOGENIC CARCINOMA: A REVIEW OF 1,045 BRONCHOSCOPIC EXAMINATIONS
Gianfranco Bucchieri; Paolo Barberis; Maris S. Delfino, Cuneo, Italy
- 815 ACUTE PULMONARY EFFECTS OF NITROGEN DIOXIDE EXPOSURE DURING EXERCISE IN COMPETITIVE ATHLETES
Sang U. Kim; Jane Q. Koenig; William E. Pierson; Quentin S. Hanley, Seattle
- 820 EFFECTS OF AMRINONE ON CARDIAC INDEX, VENOUS OXYGEN SATURATION AND VENOUS ADMIXTURE IN PATIENTS RECOVERING FROM CARDIAC SURGERY
Richard C. Prielipp; John F. Butterworth; Gary P. Zaloga; Paul G. Robertie; Roger L. Royster, Winston-Salem, North Carolina
- 826 CAN CONCOMITANT RESTRICTION BE DETECTED IN ADULT MEN WITH AIRFLOW OBSTRUCTION?
Randall C. Lanier; Gerald N. Olsen, Columbia, South Carolina
- 831 COMPARISON OF PEAK EXPIRATORY FLOW RATE AND FEV₁ IN ASSESSING BRONCHOMOTOR TONE AFTER CHALLENGES WITH OCCUPATIONAL SENSITIZERS
Denis Dérubé; André Cartier; Jocelyne L'Archevêque; Hebert Ghezdo; Jean-Luc Malo, Montreal, Canada
- 837 MEDICATION ADHERENCE PATTERNS IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE
Jeffrey J. Dolce; Carol Crisp; Bryn Manzella; James M. Richards; J. Michael Hardin; William C. Bailey, Birmingham, Alabama
- 842 RELIABILITY OF SIX PULSE OXIMETERS IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE
Bernard Hannhart; Hervé Michalski; Nicolas Delorme; Gilberto Chapparo; Jean-Marie Polu, Nancy, France
- 847 ACUTE EFFECTS OF ALPHA- AND BETA-ADRENOCEPTOR BLOCKADE ON PLASMA ATRIAL NATRIURETIC PEPTIDES DURING EXERCISE IN ELDERLY PATIENTS WITH MILD HYPERTENSION
Masakazu Kohno; Koji Yokokawa; Kenichi Yasunari; Koh-ichi Murakawa; Naotsugu Kurihara; Tadanao Takeda, Osaka, Japan
- 855 THE EFFECT OF NIGHTLY NASAL CPAP TREATMENT ON UNDERLYING OBSTRUCTIVE SLEEP APNEA AND PHARYNGEAL SIZE
Nancy A. Collop; A. Jay Block; Don Hellard, Gainesville, Florida
- 861 DAYTIME HYPERTENSION IN OBSTRUCTIVE SLEEP APNEA: PREVALENCE AND CONTRIBUTING RISK FACTORS
Richard P. Millman; Susan Redline; Carol C. Carlisle; Annlouise R. Assaf; Paul D. Levinson, Providence
- 867 ANALYSIS OF REFERRALS FOR LUNG TRANSPLANTATION
Thomas M. Egan; Elbert P. Trulock; Judy Boychuk; Laura Ochoa; Joel D. Cooper; and the Washington University Lung Transplantation Group, St. Louis

- 871 BRONCHODILATOR RESPONSES TO ANTICHLINERGIC AND BETA-ADRENERGIC AGENTS IN ACUTE AND STABLE COPD
Jill P. Karpel, Bronx, New York
- 877 EFFECTS OF PAF ANTAGONIST, BN5201, ON THE PAF-, METHACHOLINE-, AND ALLERGEN-INDUCED BRONCHOCONSTRICION IN ASTHMATIC CHILDREN
Kue-Hsiung Hsieh, Taipei, Taiwan
- 883 TUBERCULOUS PLEURAL EFFUSION: TWENTY-YEAR EXPERIENCE
Allen F. Seibert; Johnson Haynes, Jr; Robert Middleton; John B. Bass, Jr, Mobile
- 887 IS SICK SINUS SYNDROME AN ADENOSINE-MEDIATED DISEASE?
Wen-Ter Lai; Hong-Ming Lai; Ching-Teng Lin; Sheng-Hsiung Sheu; Yeo-Shin Hwang, Kaohsiung, Taiwan
- 892 VENTRICULAR FREE-WALL RUPTURE AFTER MYOCARDIAL INFARCTION: TREATMENT AND OUTCOME
Peter J. Pappas; Aurel C. Cernianu; William A. Baldino; Jonathan H. Cilley, Jr; Anthony J. DellRossi, Camden, New Jersey
- 896 THORACOCARDIOGRAPHY, PART 2: NONINVASIVE MEASUREMENT OF CHANGES IN STROKE VOLUME; COMPARISONS TO IMPEDANCE CARDIOGRAPHY
Marvin A. Sackner; Richard A. Hoffman; Bruce P. Krieger; Mohammed Shaukat; David Stroh; Jonathan D. Sackner; with technical assistance of Frank Bizousky; Jeannette Brown; J. J. Robinson, Miami Beach
- 904 CR LEADS IN CARDIAC EMERGENCIES: A PRELIMINARY STUDY
Raul N. De Gasperi; David H. McCulloch, Miami
- 911 TREATMENT OF MALIGNANT PLEURAL EFFUSIONS WITH DOXORUBICIN HYDROCHLORIDE-CONTAINING POLY (L-LACTIC ACID) MICROSPHERES
Osamu Ike; Yasuhiko Shimizu; Shigeki Hitomi; Ryochi Wada; Yoshiko Ikada, Kyoto, Japan
- 916 RESPIRATORY SYMPTOMS AND RISK FACTORS IN AN ARIZONA POPULATION SAMPLE OF ANGLIC AND MEXICAN-AMERICAN WHITES
Cinzia Di Pede; Giovanni Viegi; James J. Quackenbush; Pam Boyer-Petersdorf; Michael D. Lebowitz, Tucson
- 923 A MULTIVARIATE ANALYSIS OF THE RISK OF PULMONARY COMPLICATIONS AFTER LAPAROTOMY
John C. Hall; Richard A. Tarala; Jane L. Hall; Julian Mander, Perth, Australia
- 928 HIGH-RESOLUTION ULTRAFAST CHEST CT IN THE CLINICAL MANAGEMENT OF FIBRILE BONE MARROW TRANSPLANT PATIENTS WITH NORMAL OR NONSPECIFIC CHEST ROENTGENOGRAMS
Thomas J. Barloon; Jeffrey R. Galvin; Masaki Mori; William Stanford; Roger D. Gingrich, Iowa City
- 934 TUMOR CELL HETEROGENEITY AND SUBPOPULATIONS WITH METASTATIC ABILITY IN DIFFERENTIATED ADENOCARCINOMA OF THE LUNG: HISTOLOGIC AND CYTOFLUOROMETRIC DNA ANALYSES
Hiroaki Nomori; Setsuo Hirohashi; Masayuki Noguchi; Yoshihiro Matsuno; Yukio Shimamoto, Tokyo, Japan
- 941 INCREASED AIRWAYS RESPONSIVENESS IN SWINE FARMERS
Chen Zhou; Tom S. Hurst; Donald W. Cockcroft; James A. Dosman, Saskatoon, Canada
- 945 EFFECTS OF PROSTAGLANDIN E₂ POSTOPERATIVE SURGICAL PATIENTS WITH CIRCULATORY DEFICIENCY
Paul L. Appel; William C. Shoemaker; Harry B. Kram, Los Angeles
- 951 INCREASED SURVIVAL OF ARDS PATIENTS WITH SEVERE HYPOXEMIA (ECMO CRITERIA)
Mary R. Suchyta; Terry P. Clemmer; James F. Orme, Jr; Alan H. Morris; C. Greg Elliott, Salt Lake City
- 956 BLOOD LACTATE LEVELS ARE SUPERIOR TO OXYGEN-DERIVED VARIABLES IN PREDICTING OUTCOME IN HUMAN SEPTIC SHOCK
Jan Bakker; Michel Coffin; Marc Leon; Philippe Gris; Jean-Louis Vincent, Brussels, Belgium
- 963 GREAT VEIN AND RIGHT ATRIAL THROMBOSIS IN CRITICALLY ILL INFANTS AND CHILDREN WITH CENTRAL VENOUS LINES
William Berman, Jr; Raymond R. Fripp; Steven M. Yabek; Jorge Wernly; Sue Corlew, Albuquerque
- 968 CATHETER-RELATED INFECTIONS AND ASSOCIATED SEPTICEMIA
Scott Norwood; Allan Ruby; Joseph Civetta; Vicente Cortes
- 976 REVERSIBLE CARDIOGENIC SHOCK DUE TO

- CHEST TUBE COMPRESSION OF THE RIGHT VENTRICLE
Marin H. Kollef; Douglas W. Dothager, Aurora, Colorado
- 981 IMPACT OF INTEGRATIVE CARDIOPULMONARY EXERCISE TESTING ON CLINICAL DECISION MAKING
Darryl Y. Sue; Karlman Wasserman, Los Angeles
- 993 PERIOPERATIVE CONSIDERATIONS FOR PATIENTS TREATED WITH BLEOMYCIN
Madeline I. Waid-Jones; Douglas B. Coursin, Madison, Wisconsin
- 1000 CARDIOVASCULAR DYSFUNCTION IN SEPTIC SHOCK
R. Jeffrey Snell; Joseph E. Parrillo, Chicago
- 1010 HYDROTHORAX AND END-STAGE CHRONIC RENAL FAILURE
Philippe Saillen; Francois Mosimann; Jean-Pierre Wauters, Lausanne, Switzerland
- 1012 MYOCARDIAL INFARCTION WITH HYPOTENSION; PROBLEMS IN MANAGEMENT
Case Presentation: R. Joe Noble, Indianapolis; Commentary: Kenneth A. Ellenbogen, Richmond, Virginia; Kenneth M. McDonald, Gary S. Francis, Minneapolis
- 1016 COPD EXACERBATION ASSOCIATED WITH A SKIN RASH
Joseph Marshall; David Altman; Martin Lauber; Peter Baylor, Fresno, California
- 1018 PULMONARY HYPERTENSION FIVE YEARS AFTER LEFT PNEUMONECTOMY FOR ADENOID CYSTIC CARCINOMA
Konrad E. Bloch; Borut Marincek; Franz W. Amann; Erich W. Russi, Zurich, Switzerland
- 1020 HYDATID CYST OF THE INTERATRIAL AND INTERVENTRICULAR SEPTUM OF THE HEART
Jyotsma V. Mandke; Vasundhara P. Sanzgiri, Bombay, India
- 1021 PNEUMATIC CHEST WALL COMPRESSION; A CAUSE OF RESPIRATORY FAILURE FROM MASSIVE SUBCUTANEOUS EMPHYSEMA
Scott E. Eveloff; Walter E. Donat; Robert Aisenberg; Sidney S. Berman
- 1023 OBSTRUCTIVE SLEEP APNEA PRESENTING WITH NOCTURNAL ANGINA, HEART FAILURE, AND NEAR-MISS SUDDEN DEATH
Hok Sum Chan; Helen F. K. Chiu; Lawrence K. K. Tse; Kam Sang Woo, Hong Kong
- 1025 AMOXICILLIN-CLAVULANIC ACID FOR TREATING DRUG-RESISTANT MYCOBACTERIUM TUBERCULOSIS
Jeffrey P. Nadler; Judith Berger; Jill A. Nord; Richard Cofsky; Myridula Saxena
- 1027 EFFECTS OF INDOMETHACIN ON HEPATOGENIC PULMONARY ANGIODYSPLASIA
Hiroshi Shijo; Haruka Sasaki; Kouichi Yuh; Seigo Sakaguchi; Makoto Okumura, Fukuoka, Japan
- 1029 BENIGN THYROID HYPERPLASIA PRESENTING AS BILATERAL VOCAL CORD PARALYSIS; COMPLETE REMISSION FOLLOWING SURGERY
Jeffrey E. Godwin; K. Scott Miller; Khanh-Gien G. Hoang; Steven A. Sahn, Charleston, South Carolina
- 1030 DYSPHAGIA AS A MANIFESTATION OF OCCULT HYPOKEMIA: THE ROLE OF OXIMETRY DURING MEAL TIMES
K. R. Chapman; A. S. Rebuck, Toronto, Canada
- 1032 CREATINE KINASE MB ELEVATION IN PARALYTIC SHELLFISH POISONING
Huey-Shinn Cheng; Sarah O. Chua; Jui-Sung Hung; Kwok-Kee Yip, Taipei, Taiwan
- 1034 PEEP AND "REVERSE MISMATCH;" A CASE WHERE LESS PEEP IS BEST
Felicity H. Hawker; Paul J. Torzillo; Andrew F. Southey, Camperdown, Australia
- 1036 INTRAPLEURAL TETRACYCLINE FOR SPONTANEOUS PNEUMOTHORAX IN ACQUIRED IMMUNODEFICIENCY SYNDROME
Erna Busch; Bruce W. Barlam; Joyce Wallace; Thomas F. Nealon, New York
- 1037 REVERSIBLE BRAIN DEATH; A MANIFESTATION OF AMITRIPTYLINE OVERDOSE
Karl L. Yang; David R. Dantzer, Houston
- 1038 FAILURE OF LONG-TERM DIGITALIZATION TO PREVENT RAPID VENTRICULAR RESPONSE IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION
Eithan Galun; Moshe Y. Flugelman; Michael Glickson; Marcel Eliakim, Jerusalem, Israel
- 1040 CLOSURE OF A BRONCHOPLEURAL FISTULA WITH BRONCHOSCOPIC INSTALLATION OF TETRACYCLINE
Walter R. Martin; Allan D. Siefkin; Roblee Allen, Sacramento
- 1042 DILATED CARDIOMYOPATHY COMPLICATED BY A PEDUNCULATED AND MOBILE LEFT VENTRICULAR THROMBUS ON RUPTURED FALSE TEN-
- DONS
Shigehiko Mukai; Hideo Fuseno; Mitsuo Nakamura; Junichi Yoshikawa; Toyo Shomura, Kobe, Japan
- 1044 CHYLOTHORAX AS PRESENTING MANIFESTATION OF ADENOCARCINOMA WITH PROBABLE GASTRIC PRIMARY
James B. Bantz; Morgan D. Delaney; Radman Mostaghim; Ronna F. Lodata, Washington, DC
- 1045 TREATMENT WITH ACYCLOVIR OF VARICELLA PNEUMONIA IN PREGNANCY
R. Craig Broussard; D. Keith Payne; Ronald B. George, Shreveport
- 1047 PROXIMAL AORTIC DISSECTION WITH CARDIAC TAMPONADE; LONG-TERM SURVIVAL WITHOUT SURGERY
Benjamin F. Byrd, III; Hercules Panayiotou, Nashville
- 1049 PRIMARY MALIGNANT FIBROUS HISTIOCYTOMA OF THE AORTA ASSOCIATED WITH AORTIC DISSECTION
Wen-Jone Chen; Chi-Long Chen; Chiau-Suang Liao; Shu-Hsun Chu; Huan-Teh Lee, Taipei, Taiwan
- 1051 ETHNIC NORMS FOR PULMONARY FUNCTION TESTS
Yosel Aelony, Harbor City, California
- 1051 PARAPNEUMONIC EFFUSIONS AND CHEST TUBE INSERTION
Yosel Aelony, Harbor City, California
- 1052 Response—Melvin L. Morganroth, Iowa City
- 1052 THE MEXICAN ASTHMA "CURE"
Nicolas Chaveja; Lomas de Tecamachalco, Mexico
- 1053 Additional commentary—Raul Cicero, Mexico City, Mexico; Rogelio Perez-Padilla, Mexico City, Mexico
- 1053 Response—Bruce K. Rubin, Edmonton, Canada
- 1053 CAFFEINE, PROSTAGLYCIN, AND EXERCISE-INDUCED BRONCHOCONSTRICTION
Joel A. Simon, San Francisco
- 1053 ACCIDENTAL METHACHOLINE BRONCHOPROVOCATION IN A LABORATORY WORKER
Ronald P. Sen; Thomas F. Walsh, Bethesda
- 1054 ANGIOTENSIN-CONVERTING ENZYME AND NEUROSARCOIDOSIS
Saeed Ahmad, Fairmont, West Virginia
- 1054 LOCALIZED HEMOPNEUMOTHORAX
Paul Stark, Loma Linda, California
- 1055 Additional commentary—Dov Weissberg, Holon, Israel
- 1055 Response—Marin H. Kollef, Aurora, Colorado
- 1055 HUMAN URINARY PROTEINASE INHIBITOR IN THE TREATMENT OF P CARINII PNEUMONIA
Koichi Akashi; Toshiyuki Ishimaru; Tsunefumi Shibuya; Mine Harada; Yoshiyuki Nihno, Fukuoka, Japan
- NUMBER 4, APRIL, 1991 (Supplement)
- 955 INTRODUCTION
Samuel Z. Goldhaber, Boston
- 975 THE PHARMACOLOGY OF ASPIRIN, HEPARIN, COUMARIN, AND THROMBOLYTIC AGENTS; IMPLICATIONS FOR THERAPEUTIC USE IN CARDIOPULMONARY DISEASE
Craig M. Kessler, Washington, DC
- 1135 LABORATORY PARAMETERS TO MONITOR SAFETY AND EFFICACY DURING THROMBOLYTIC THERAPY
Denise R. Hirsch; Samuel Z. Goldhaber, Boston
- 1215 THROMBOLYSIS IN ACUTE MYOCARDIAL INFARCTION
Gianni Tognoni; Claudio Fresco; Maria Grazia Franzosi; Aldo P. Maggione, on behalf of GISSI-2 investigators, Milan, Italy
- 1285 BOLUS, FRONT-LOADED, AND ACCELERATED THROMBOLYTIC INFUSIONS FOR MYOCARDIAL INFARCTION AND PULMONARY EMBOLISM
Mark N. Levine, Hamilton, Canada
- 1355 REPERFUSION ARRHYTHMIAS AFTER THROMBOLYSIS; ELECTROPHYSIOLOGIC TEMPEST, OR MUCH ADD ABOUT NOTHING
Harlan M. Krumholz; Ary L. Goldberger, Boston
- 1415 REPERFUSION ADJUNCTIVE THERAPY
John A. Cairns, Hamilton, Canada
- 1505 INDICATIONS, TIMING, AND OPTIMAL TECHNIQUE FOR DIAGNOSTIC ANGIOGRAPHY AND ANGIOPLASTY IN ACUTE MYOCARDIAL INFARCTION
John A. Bittl, Boston
- 1575 PRINCIPLES OF THROMBOLYSIS IN PULMONARY EMBOLISM
Richard M. Prewitt, Winnipeg, Canada
- 1655 DOPPLER ULTRASOUND OF THE DEEP LEG VEINS; A REVOLUTION IN THE DIAGNOSIS OF DEEP VEIN THROMBOSIS AND MONITORING OF THROMBOLYSIS
Joseph F. Polak, Boston
- 1735 RECENT ADVANCES IN THE DIAGNOSIS AND LYTIC THERAPY OF PULMONARY EMBOLISM
Samuel Z. Goldhaber, Boston
- 1057 PERIPHERAL VASCULAR RESPONSES IN SEPTIC SHOCK; DIRECT OR REFLEX EFFECTS?
Paul T. Schumacker, Chicago
- 1058 WHO SHOULD RECEIVE CORTICOSTEROIDS AS ADJUNCTIVE TREATMENT FOR PNEUMOCYSTIS CARINII PNEUMONIA?
Fred R. Sattler, Los Angeles
- 1061 LONG-TERM INHALED BRONCHODILATOR THERAPY IN CYSTIC FIBROSIS
David M. Orenstein, Pittsburgh
- 1062 COMPLICATIONS ASSOCIATED WITH BRONCHOTHERAPY ALONE OR WITH LASER IN LUNG CANCER
Barbara Khanavkar; Petra Stern; Winfried J. Joriti; John A. Nakhosteen, Essen, Germany
- 1066 ECHO/DOPPLER AND HEMODYNAMIC CORRELATES OF VASODILATOR RESPONSIVENESS IN PRIMARY PULMONARY HYPERTENSION
Susan B. Eysmann; Harold I. Palevsky; Nathaniel Reichel; Keith Hackney; Pamela S. Douglas, Philadelphia
- 1072 PERIPHERAL VASCULAR TONE IN SEPSIS
Mark E. Astiz; Elena Tilly; Eric D. Rackow; Max H. Weil, North Chicago, Illinois
- 1076 CHACKLES IN PATIENTS WITH FIBROSING ALVEOLITIS, BRONCHIECTASIS, COPD, AND HEART FAILURE
Päivi Piirila; Anssi R. A. Sovijärvi; Tuja Kalsla; Hanne-Marja Rajala; Toivo Katila, Helsinki, Finland
- 1084 NEBULIZED ATROPINE SULFATE IN THE TREATMENT OF ACUTE ASTHMA
Michael W. Owens; Ronald B. George, Shreveport
- 1088 A CONTROLLED TRIAL OF LONG-TERM BRONCHODILATOR THERAPY IN CYSTIC FIBROSIS
Peyton A. Eggleston; Beryl J. Roseman; Claire M. Stackhouse; E. David Mellits; Rosemary A. Baumgardner, Baltimore
- 1093 TOPICAL NASAL ANESTHESIA FOR FLEXIBLE BRONCHOSCOPY
Robert M. Middleton; Arvind Shah; Michael B. Kirkpatrick, Mobile
- 1097 CHOLESTEROL: A USEFUL PARAMETER FOR DISTINGUISHING BETWEEN PLEURAL EXUDATES AND TRANSUDATES
Luis Valdés; Antonio Pose; Javier Suárez; Jose Ramón González-Juanatey; Alfredo Sarandeses; Esther San José; José Manuel Álvarez Dobaña; Marcelino Salgueiro; José Ramón Rodríguez Suárez, La Coruña, Spain
- 1103 CYTOKINE CONTENT IN PLEURAL EFFUSION; COMPARISON BETWEEN TUBERCULOUS AND CARCINOMATOUS PLEURISY
Kaoru Shimokata; Hideo Saka; Takanao Murate; Yoshinori Hasegawa; Tadao Hasegawa, Nagoya, Japan
- 1108 BENIGN PLEURAL EFFUSIONS IN LONG-STANDING DIABETES MELLITUS
Bruce S. Chertow; Renata Kadzielawa; Andrew J. Burger, Huntington, West Virginia
- 1112 TIME COURSE OF RECOVERY FROM FROSTBITTEN PHRENICS AFTER CORONARY ARTERY BYPASS GRAFT SURGERY
Christopher O. Olopade, Bruce A. Staats, Rochester, Minnesota
- 1116 CONJUGATED ESTROGENS REDUCE ENDOTHELIAL PROSTAGLYCIN PRODUCTION AND FAIL TO REDUCE POSTBYPASS BLOOD LOSS
Robert W. Hull; James A. Hasbargen; Stephen Fall; Thomas P. O'Barr, Aurora, Colorado
- 1120 THE DAY-LONG ANTIANGINAL EFFECTIVENESS OF NITROGLYCERIN PATCHES; A DOUBLE-BLIND STUDY USING DOSE-TITRATION
Mayer Bassan, Bellflower, California
- 1126 TEMPORAL TRENDS IN CHRONIC OBSTRUCTIVE LUNG DISEASE CASE FATALITY IN HOSPITALIZED US VETERANS: 1970-1987
Ira B. Tager; Mark R. Segal, San Francisco
- 1134 EPIDEMIOLOGY OF EXTRAPULMONARY TUBERCULOSIS: A COMPARATIVE ANALYSIS WITH PRE-AIDS ERA
Jay B. Mehta; Asim Dutt; Leo Harvill; Kenneth M. Mathews, Johnson City and Murfreesboro, Tennessee
- 1139 DELIVERED DOSE AND REGIONAL DISTRIBUTION OF AEROSOLIZED PENTAMIDINE USING DIFFERENT DELIVERY SYSTEMS
Jonathan S. Ilowite; Martin I. Baskin; Maurice S. Sheetz; Antoine G. Abd, New York
- 1145 TRANSITION FROM EXERCISE TO REST; VENTILATORY AND ARTERIAL BLOOD GAS RESPONSES
Alfonso V. O'Neill; Douglas Johnson, Boston
- 1151 DOES OXIMETRY CONTRIBUTE TO THE DETEC-

- 1158 METSOVO LUNG OUTSIDE METSOVO; ENDEMIC PLEURAL CALCIFICATIONS IN THE OPHOLITE BELTS OF GREECE
Stavros H. Constantinopoulos; Panayotis Theodoropoulos; George Dascalopoulos; Nikos Saratzis; Konstantine Sideris, Athens, Greece
- 1162 EMPYEMA THORACIS; FACTORS INFLUENCING MORBIDITY AND MORTALITY
David G. Ashbaugh, Seattle
- 1166 HEMODYNAMIC EFFECTS OF DIFFERENT VENTILATORY PATTERNS; A PROSPECTIVE CLINICAL TRIAL
A. Goertel; H. Heinrich; H. Winter; A. Deller, Ulm, Germany
- 1172 A 19-YEAR FOLLOW-UP OF TUBERCULIN REACTORS; ASSESSMENT OF SKIN TEST REACTIVITY AND *IN VITRO* LYMPHOCYTE RESPONSES
Diane V. Havir; Frits van der Kuyp; Evelyn Duffy; Robert Marshall; David Hom; Jerrold J. Ellner, Cleveland
- 1177 BRONCHOALVEOLAR LAVAGE CELL DATA IN AMIODARONE-ASSOCIATED PNEUMONITIS; EVALUATION IN 22 PATIENTS
Georges M. Akoun; Jacques L. Cadranet; Gilles Blanchette; Bernard J. Milleron; Charles M. Mayaud, Montreal, Canada
- 1183 USE OF AN IMPEDANCE METER FOR MEASURING AIRWAYS RESPONSIVENESS TO HISTAMINE
P. D. Snashall; S. Parker; P. Ten Haave; D. Simmons; M. I. M. Noble, London and Midhurst, England
- 1186 SUPPRESSION OF VENTILATORY MUSCLE ACTIVITY IN HEALTHY SUBJECTS AND COPD PATIENTS WITH NEGATIVE PRESSURE VENTILATION
Francesco Gigliotti; Roberto Duranti; Andrea Fabiani; Mario Schiavina; Giorgio Scano, Florence and Bologna, Italy
- 1193 THE COPD SELF-EFFICACY SCALE
Joan K. Wigan; Thomas L. Creer; Harry Kotses, Athens, Ohio
- 1197 AMMONIUM ION AND THE ANAEROBIC THRESHOLD IN MAN
David M. Systrom; Carlos V. Fragosso; David J. Kanarek; Homayoun Kazemi, Boston
- 1203 DNA ANALYSIS OF ATRIAL MYXOMAS
Patricia K. Kotlyo; Jan E. Kennedy; Bruce F. Waller; R. Barry Sample
- 1208 FAMILIAL PULMONARY HYPERTENSION IN ASSOCIATION WITH AN ABNORMAL HEMOGLOBIN
Stuart Rich; Kimberley Hart, Chicago
- 1211 RESPONSE CHARACTERISTICS OF A DUAL TRANSCUTANEOUS OXYGEN/CARBON DIOXIDE MONITORING SYSTEM
Steven Kesten; Kenneth R. Chapman; Anthony S. Rebeck, Toronto, Canada
- 1216 FACILITATION OF MECHANICAL VENTILATION IN STATUS ASTHMATICUS WITH CONTINUOUS INTRAVENOUS THIOPEPTAL
Gloria Grunberg; Jonathan D. Cohen; Jerome Kestin; Sidney Gassner, Tel Aviv, Israel
- 1220 ACUTE CARDIOGENIC PULMONARY EDEMA TREATED WITH MECHANICAL VENTILATION; FACTORS DETERMINING IN-HOSPITAL MORTALITY
Anthony J. Fedullo; Andrew J. Swinburne; Gary W. Wahl; Karen Bixby, Rochester, New York
- 1227 TIDAL VOLUME REDUCTION IN ARDS; EFFECT ON CARDIAC OUTPUT AND ARTERIAL OXYGENATION
James W. Leatherman; Richard L. Lari; Cornad Iber; Arthur L. Ney, Minneapolis
- 1232 OPEN LUNG BIOPSY DOES NOT CORRELATE WITH PULMONARY FUNCTION AFTER THE ADULT RESPIRATORY DISTRESS SYNDROME
Mary R. Suchyta; C. Gregory Elliott; Thomas Colby; Brad Y. Rasmussen; Alan H. Morris; Robert L. Jensen, Salt Lake City
- 1238 ANGIOGRAPHIC EVOLUTION OF CORONARY ATHEROSCLEROSIS IN PATIENTS RECEIVING PROPRANOLOL; A TWO-YEAR FOLLOW-UP
Alessandro Loaldi; Piero Montorsi; Franco Fabbiochi; Alvise Polese; Marco Guazzi; Nicoletta De Cesare; Maurizio D. Guazzi, Milan, Italy
- 1243 RANDOMIZED TRIALS TO ASSESS THE LONG-TERM EFFECTS OF THERAPIES ON ANGIOGRAPHIC END POINTS
Salim Yusuf; Rekha Garg, Bethesda
- 1248 INDIUM 111 LABELED NEUTROPHILS FOR DETECTING LUNG INJURY; A PERSPECTIVE
James H. Williams, Jr, Irvine, California
- 1252 PLEURO-PULMONARY COMPLICATIONS OF ENDOSCOPIC VARICEAL SCLEROTHERAPY
Jason E. Edling; Bruce R. Bacon, Shreveport and St. Louis
- 1258 TUMOR STAGE IN NON-SMALL CELL CARCINOMA OF THE LUNG
C. F. Mountain; S. D. Greenberg; A. E. Fraire, Houston
- 1261 UPPER LOBE CAVITARY MASS IN A STEROID-DEPENDENT ASTHMATIC PATIENT
Anthony W. Gray, Jr; Fernando J. Martinez; John M. Streitz, Jr; Carolyn G. Dedrick, Burlington, Massachusetts
- 1263 CONTINUOUS LATERAL ROTATIONAL THERAPY AND NOSOCOMIAL PNEUMONIA
Steven A. Sahn, Charleston, South Carolina
- 1268 ACUTE EFFECTS OF LIPOSOME AEROSOL INHALATION ON PULMONARY FUNCTION IN HEALTHY HUMAN VOLUNTEERS
Dwayne A. Thomas; Mark A. Myers; Birgit Wichert; Hans Schreier; Ricardo J. Gonzalez-Rothi, Gainesville, Florida
- 1271 RELATIONSHIP BETWEEN ARM AND LEG TRAINING WORK LOADS IN MEN WITH HEART DISEASE; IMPLICATIONS FOR EXERCISE PRESCRIPTION
Susan Wetherbee; Barry A. Franklin; Victoria Hollingsworth; Seymour Gordon; Gerald C. Timmis, Royal Oak, Michigan
- 1274 RECOVERY TIME COURSE OF AIRWAY HYPERRESPONSIVENESS TO ACETYLCHOLINE AFTER OVALBUMIN CHALLENGE IN GUINEA PIGS
Joe Shindoh; Satoru Sugiyama; Kenzo Takagi; Taisuo Satake; Takayuki Ozawa, Nagoya, Japan
- 1280 SURGICAL DRAINAGE OF LUNG ABSCESS COMPLICATING ACUTE COMMUNITY-ACQUIRED PNEUMONIA
Peter D. Potgieter; Janet M. J. Hammond; Greg Musson; John Odell, Cape Town, South Africa
- 1282 POSSIBLE BEHET'S DISEASE REVEALED BY PULMONARY ANEURYSMS
M. Jerray; M. Benazir; N. Rouatbi, Sousse, Tunisia
- 1284 ACUTE PULMONARY HYPERTENSIVE CRISIS IN A PATIENT WITH PRIMARY PULMONARY HYPERTENSION TREATED BY BOTH EPOPROSTENOL (PROSTACYCLIN) AND NITROPRUSSIDE
J. P. Scott; T. W. Higenbottom; R. L. Smyth; J. Wallwork, Cambridge, England
- 1286 BILATERAL CORONARY OSTIAL STENOSIS ASSOCIATED WITH AORTITIS SYNDROME
Kazuhide Ogino; Yoshiki Tokuyasu; Takeshi Motomiya; Masaya Sugiura; Masahiro Endo, Tokyo, Japan
- 1288 SPONTANEOUS NEAR DISAPPEARANCE OF BILATERAL CORONARY ARTERY-PULMONARY ARTERY FISTULAS
Satoshi Nakatani; Shinsuke Nanto; Tohru Masuyama; Jun Tamai; Kazuhisa Kodama, Osaka, Japan
- 1290 SPONTANEOUS FAVORABLE OUTCOME OF TRACHEAL LACERATION
Jean-Paul d'Odement; Jacques Pringot; Louis Goncette; Martin Goenen; Daniel O. Rodenstein, Brussels, Belgium
- 1292 SPONTANEOUS PNEUMOTHORAX IN CYSTIC ADENOMATOID MALFORMATION; UNUSUAL CLINICAL AND HISTOLOGIC FEATURES
Leah Bentur; Gerald Canny; Paul Thorne; Ricardo Superina; Paul Babyn; Henry Levison, Toronto, Canada
- 1294 PNEUMONIA PRECEDING RESPIRATORY FAILURE; A RARE, EASILY MISLEADING CLINICAL MANIFESTATION OF ADULT ARNOLD-CHIARI MALFORMATION
Thomas Chang-Yao Tsao; Yeong-Chang Juang; Ying-Chieh Chiang; Ying-Huang Tsai; Ray-Shee Lan; Cheng-Huei Lee, Taipei, Taiwan, Republic of China
- 1295 EXERCISE-INDUCED VENTRICULAR TACHYCARDIA IN ASSOCIATION WITH A MYOCARDIAL BRIDGE
Harry Feld; Victor Guadagno; Gerald Hollander; Alvin Greengart; Edgar Lichstein; Jacob Shani, Brooklyn
- 1296 METASTATIC MELANOMA TO THE HEART PRESENTING WITH VENTRICULAR TACHYCARDIA
Robert Sheldon; Debra Isaac, Calgary, Canada
- 1298 TREATMENT OF SUPERIOR VENA CAVA THROMBOSIS WITH RECOMBINANT TISSUE TYPE PLASMINOGEN ACTIVATOR
Susan Greenberg; Robert Kosinski; Jeffrey Daniels, Long Branch, New Jersey
- 1301 HEMOPTYSIS COMPLICATING AICD PATCH PLACEMENT CONTROLLED BY TEMPORARY SELECTIVE BRONCHIAL BALLOON OCCLUSION
Neil Kao; Richard N. Messersmith; Janice Kilch, Park Ridge and Chicago
- 1303 PULMONARY HYPERTENSION ASSOCIATED WITH LONG-STANDING THROMBOCYTOSIS
Carlo Rostagno; Domenico Prisco; Rosanne Abbate; Loredana Poggessi, Florence, Italy
- 1306 A WORLD RECORD MARATHON RUNNER WITH SILENT ISCHEMIA WITHOUT CORONARY ATHEROSCLEROSIS
William J. Rowe, Toledo, Ohio
- 1308 RIGHT-SIDED AORTIC ARCH PRESENTING AS REFRACTORY INTRAOPERATIVE AND POST-OPERATIVE WHEEZING
Yasuyoshi Bose; Thomas S. Hurst; Donald W. Cockcroft, Saskatoon, Canada
- 1310 SELF-ADMINISTERED HYPERVENTILATION CARDIOPULMONARY RESUSCITATION FOR 100 S OF CARDIAC ARREST DURING HOLTER MONITORING
Yoshiaki Harada; Hideo Fuseno; Toshiyuki Ohtomo; Yasuhiro Yamahara; Mitsuo Nakamura, Kobe, Japan
- 1313 HEMOPTYSIS AFTER BRACHIOXYLIN INFUSION USING A FIBEROPTIC BRONCHOSCOPE
Narendra M. Bhambrue; Nalin Y. Ashyankar; Yayati Gandhi; Ajendra C. Shah; Yatin S. Patel; Shamrao N. Deshmukh, Bombay, India
- 1313 MANAGEMENT OF ARDS
Keith G. Hickling, Christchurch, New Zealand
- 1314 HYPERVENTILATION SYNDROME
Hendrik M. Beumer, Utrecht, The Netherlands
Additional commentary—Friedrich Kummer, Vienna, Austria
- 1315 ANTIMYCOBACTERIAL ANTIBODIES IN TUBERCULOUS PLEURAL EFFUSIONS; RELIABILITY OF ANTIGEN 60
Jose A. Caminero; Felipe Rodriguez de Castro; Teresa Carrillo; Pedro Cabrera, Las Palmas de Gran Canaria, Spain
- 1316 Response—Howard Levy, Albuquerque
"ADVOCATE'S DISEASE": AN ETIOLOGIC APPROACH
Richard A. Robbins, Omaha
- 1316 HEMOPTYSIS: THE THIRD-WORLD PERSPECTIVE
Nightingale Syabalo, Umtata, Transkei, South Africa
- 1317 THE EFFECTS OF HETEROLOGOUS PLATELET TRANSFUSION ON PULMONARY FUNCTION DURING ARDS
James F. Crowley, Providence, Rhode Island
- 1317 PSYCHOLOGICAL CHARACTERISTICS OF ADULTS WITH CYSTIC FIBROSIS
Andrew J. Aspin, Nottingham, England
- 1318 Response—Steven L. Shepherd, San Diego
MEDIASTINAL PSEUDOCYST ASSOCIATED WITH CHRONIC PLEURAL EFFUSIONS
Charles A. Read; Michael Richardson, Washington, DC
- 1318 Response—Stuart Zellender; Frederick L. Glauser; Mary Ann Turner, Richmond, Virginia
SELF-EXTUBATION
Robert D. Brandstetter; Imran T. Khawaja; Eric Bartky, New Rochelle, New York
- 1320 Response—Dominic P. Coppola; John J. May, Cooperstown, New York
LYMPHOID INTERSTITIAL PNEUMONITIS AND INFECTION WITH HUMAN IMMUNODEFICIENCY VIRUS TYPE 2
L. J. Couderc; P. Brun-Vezinet; M. A. Rey; P. Michard; J. P. Clauvel, Paris, France

NUMBER 6, JUNE, 1991

- 1321 GUT FEELINGS ABOUT ASTHMA; THE BURP AND THE WHEEZE
Stephen J. Sontag, Hines, Illinois
- 1324 ACRES OF DIAMONDS; NONINVASIVE VENTILATORY SUPPORT
Mark L. Splaingard, Milwaukee
- 1325 CHEMOTHERAPY AND SURVIVAL OF PATIENTS WITH NON-SMALL CELL LUNG CANCER; A CONTRARY VIEW
Charles M. Haskell, Los Angeles
- 1326 CHEMOTHERAPY FOR NON-SMALL CELL LUNG CANCER; THE CONTINUING CHALLENGE
Everett E. Vokes; Jacob D. Bliran; Nicholas J. Vogelzang, Chicago
- 1328 CHEMOTHERAPY AND SURVIVAL IN NON-SMALL CELL LUNG CANCER; THE OLD VEXATA QUESTIO
Gianfranco Buccheri, Roccamare, Italy
- 1330 MEDICAL AND SURGICAL TREATMENT OF NON-

- ALLERGIC ASTHMA ASSOCIATED WITH GASTROESOPHAGEAL REFLUX
Augusto Larrain; Edgardo Carrasco; Fabian Galliquio; Ricardo Sepulveda; Charles E. Pope, II
1336 GLUCOCORTICOID RECEPTOR mRNA EXPRESSION IN PULMONARY ALVEOLAR MACROPHAGES IN SARCOIDOSIS
Olof Andersson; Mikael Brönngård; Tomas Sonnenfeld; Birgitta Schmekel; Johan Lund; Erik Ripe; Jan-Ake Gustafsson; Huddinge and Lund, Sweden
1342 INTRA-AORTIC BALLOON COUNTERPULSATION SUPPORT IN THE HIGH-RISK CARDIAC PATIENT UNDERGOING URGENT NONCARDIAC SURGERY
Samuel C. Siu; Glen J. Kowalchuk; Francine K. Welty; Peter N. Benotti; Stanley M. Lewis, Boston
1346 SHORTCOMINGS OF USING TWO JET NEBULIZERS IN TANDEM WITH AN AEROSOL FACE MASK FOR OPTIMAL OXYGEN THERAPY
Gregory N. Foust; William A. Potter; Michael D. Wilons; Emmel B. Golden, Memphis
1352 AEROSOL HUMIDITY AND OXYGENATION
Cheng-Deng Kuo; Shu-En Lin; Jia-Hong Wang, Taipei, Taiwan, Republic of China
1357 EXPIRATORY COMPUTED TOMOGRAPHY FOR ASSESSMENT OF SUSPECTED PULMONARY EMPHYSEMA
Ronald J. Knudson; James R. Standen; Walter T. Kallenborn; Dwyne E. Knudson; Kelly Rehm; Michael P. Habib; John D. Newell, Tucson
1367 THE EFFECT OF MAXIMAL DOSES OF FORMOTEROL AND SALBUTAMOL FROM A METERED DOSE INHALER ON PULSE RATES, ECG, AND SERUM POTASSIUM CONCENTRATIONS
Francis P. V. Maessen; Robert Costongs; Joseph J. Smets; Paul J. Brombacher; Heerlen; Petra G. M. A. Zweers, Arnhem, The Netherlands
1374 CAFFEINE ANTIHEMODYNAMIC DECREASES THE RESPONSE TO BRONCHOPROVOCATION CHALLENGE WITH DRY GAS HYPERVENTILATION
Patrick Duffy; Yancy Y. Phillips, Washington, DC
1378 TREATMENT OF SNORING AND OBSTRUCTIVE SLEEP APNEA WITH A DENTAL ORTHOSIS
Wolfgang W. Schmidt-Nowara; Thomas E. Meade; Marvin B. Hays, Albuquerque
1386 OBSTRUCTIVE SLEEP APNEA COMPLICATING NEGATIVE-PRESSURE VENTILATORY SUPPORT IN PATIENTS WITH CHRONIC PULMONARY/RESTRICTIVE VENTILATORY DYSFUNCTION
John R. Bach; John Penek, Morristown, New Jersey
1394 ALVEOLITIS CORRELATES WITH CLINICAL PULMONARY INVOLVEMENT IN PRIMARY SjOGREN'S SYNDROME
Yotanna A. Dalavanga; Stavros H. Constantopoulos; Vasiliki Galanopoulou; Loukia Zerva; Haralampos M. Moutsopoulos, Ioannina, Greece
1398 DELAYED TIME TO PEAK SERUM MYOGLOBIN LEVEL AS AN INDICATOR OF CARDIAC DYSFUNCTION FOLLOWING OPEN HEART SURGERY
Kazuhiko Kinoshita; Yoshikazu Tsuruhara; Kouichi Tokunaga, Fukuoka, Japan
1403 RELATION BETWEEN MIXED VENOUS OXYGEN SATURATION AND CARDIAC INDEX; NONLINEARITY AND NORMALIZATION FOR OXYGEN UPTAKE AND HEMOGLOBIN
Aditya Jain; Sanjeev G. Shroff; Joseph S. Janicki; Hanumanth K. Reddy; Kar T. Weber, Chicago
1410 A POSTPERICARDIOTOMY AND POSTMYOCARDIAL INFARCTION SYNDROME PRESENTING AS NONCARDIAC PULMONARY EDEMA
Arnold H. Kassanoff; Maria G. Martirosian, Dallas
1415 THE ARHYTHMOGENICITY OF THEOPHYLLINE: A MULTIVARIATE ANALYSIS OF CLINICAL DETERMINANTS
George Bittar; Howard S. Friedman, Brooklyn
1421 MINIMAL RESECTION FOR BRONCHOGENIC CARCINOMA: AN UPDATE
Mark M. Crabbe; Geoffrey A. Patritti; Larry J. Fontenelle, Biloxi, Mississippi
1425 LONG-TERM SURVIVAL AND TOXICITY IN SMALL CELL LUNG CANCER: EXPANDED SOUTHWEST ONCOLOGY GROUP EXPERIENCE
Kathy S. Albain; John J. Crowley; Robert B. Livingston, Seattle
1433 SOLUBLE INTERLEUKIN 2 RECEPTOR IN LUNG CANCER: AN INDIRECT MARKER OF TUMOR ACTIVITY?
Gianfranco Buccheri; Pietro Marino; Armando Pretaloni; Domenico Ferrigno; Gianni A. Moroni, Milan, Italy
1438 INDEPENDENT OXYGEN UPTAKE AND OXYGEN DELIVERY IN SEPTIC AND POSTOPERATIVE PATIENTS
Cornelis G. Vermeij; Bouke W. A. Feenstra; Wim J. Adrichem; Hajo A. Bruining, Rotterdam, the Netherlands
1444 EVALUATION OF THE HEMODYNAMIC AND RESPIRATORY EFFECTS OF INVERSE RATIO VENTILATION WITH A RIGHT VENTRICULAR EJECTION FRACTION CATHETER
Jan I. Poelaert; Dirk P. Vogelaeers; Francis A. Colardyn, Ghent, Belgium
1451 THERAPEUTIC IMPACT OF PULMONARY ARTERY CATHETERIZATION IN A MEDICAL/SURGICAL ICU
Jay S. Steingrub; Giovanni Celoria; Maureen Vickers-Lahti; Daniel Teres; William Bria, Springfield, Boston and Amherst, Massachusetts
1456 NEUTROPHIL-ENDOTHELIAL CELL INTERACTION IN CRITICAL ILLNESS
Alan M. Fein; Margaret M. Grant; Michael S. Niederman; Niki Kantrowitz, Mineola and Stony Brook, New York
1463 ELEVATED RIGHT HEMIDIAPHRAGM WITH YELLOW SPUTUM PRODUCTION
Sue Killion Cammarata; John Dircks; Geoffrey Grambau; Robert Hyzy, Kalamazoo
1466 PROSPECTS FOR THE MANAGEMENT OF NON-SMALL CELL CARCINOMA OF THE LUNG WITH MONOCLONAL ANTIBODIES
Rhona Stein; David M. Goldenberg, Newark
1477 THE TREATMENT OF COUGH: A COMPREHENSIVE REVIEW
Richard S. Irwin; Frederick J. Curley, Worcester, Massachusetts
1485 THE DIAGNOSIS AND MANAGEMENT OF NEUROMUSCULAR DISEASES CAUSING RESPIRATORY FAILURE
Brian J. Kelly; John M. Luce, San Francisco
1495 THE EFFECT OF GROWTH HORMONE ON WEIGHT GAIN AND PULMONARY FUNCTION IN PATIENTS WITH CHRONIC OBSTRUCTIVE LUNG DISEASE
Gregory S. Pape; Mitchell Friedman; Louis E. Underwood; David R. Clemmons, Chapel Hill
1501 THE EFFECT OF PROSTAGLANDIN E₁ ON ACUTE PULMONARY ARTERY HYPERTENSION DURING OLEIC ACID-INDUCED RESPIRATORY DYSFUNCTION
Chris Bolliger; Pieter Fourie; Andre Coetzee, Tygerberg, South Africa
1507 ASTHMA DEATHS
William A. Whitelaw, Calgary, Canada
1511 A CASE OF SUDDEN DEATH
Case Presentation: R. Joe Noble, Indianapolis; Consultants: Hein J. J. Wellens, Maastricht, the Netherlands; Mark E. Josephson, Philadelphia
1515 PULMONARY VEIN THROMBOSIS FOLLOWING BILOBECTOMY
Hagop Hovagimian; James F. Morris; Hugh L. Gately; H. Storm Floten, Portland, Oregon
1517 TELESCOPING PLUGGED CATHETER; AN UNUSUAL WAY OF DIAGNOSING PASTEURELLA MULTOCIDA PNEUMONIA
S. Ruiz-Santana; I. Alamo Antunez; M. Armas; F. Rodriguez de Castro; J. L. Manzano, Las Palmas de Gran Canaria, Spain
1518 SACCHAROMYCES CEREVISIAE EMPYEMA IN A PATIENT WITH ESOPHAGO-PLEURAL FISTULA COMPLICATING VARICEAL SCLEROTHERAPY
Glenn M. Chertow; Edward R. Marcantonio; Rebecca G. Wells, Boston
1519 PACEMAKER-LEAD PUNCTURE OF THE TRICUSPID VALVE: SUCCESSFUL DIAGNOSIS AND TREATMENT
Pedro A. Rubio; Mahdi S. Al-Bassam, Houston
1520 FATAL AIRWAY OBSTRUCTION CAUSED BY A MUCOUS BALL FROM A TRANSTRACHEAL OXYGEN CATHETER
George G. Burton; Fred A. Wagshul; Diannah Henderson; Samuel Wesley Kime, Dayton
1523 NATIVE RIGHT ATRIAL TAMPONADE WITH THE JARVIK TOTAL ARTIFICIAL HEART
Peter Linden; Keith Stein; John Pristas; Robert L. Kormos; Bartley P. Griffith, Pittsburgh
1525 LONG-TERM CLINICAL FOLLOW-UP OF ADULT IDIOPATHIC PULMONARY HEMOSIDEROSIS AND CELIAC DISEASE
Adalberto Pacheco; Ciro Casanova; Luis Fogue; Antonio Sueiro, Madrid, Spain
1527 TERMINATION OF CENTRAL SLEEP APNEA EPISODES BY UPPER AIRWAY STIMULATION USING INTERMITTENT POSITIVE PRESSURE VENTILATION
George Thommi; Kenneth Nugent; George M. Bell; Jing Liu, Salem, Virginia
1529 ELEVATED SERUM LEVELS OF TUMOR NECROSIS FACTOR- α AFTER BRONCHOSCOPY AND BRONCHOALVEOLAR LAVAGE
Theodore J. Standiford; Steven L. Kunkel; Robert M. Strieter, Arin Arbor
1531 LATE RECURRENT CANDIDA ENDOCARDITIS
Patrick G. Johnston; James Lee; Michael Domanski; Fred Dressler; Eben Tucker; Mace Rothenberg; Robert E. Cunnion; Philip A. Pizzo; Thomas J. Walsh, Bethesda
1533 RESPIRATORY FAILURE DUE TO INTERSTITIAL LUNG METASTASES OF OVARIAN CARCINOMA REVERSED BY CHEMOTHERAPY
Kimberly Fernandez; Katherine A. O'Hanlan; Lorna Rodriguez-Ridriguez; William D. Marino, Bronx, New York
1534 SUCCESSFUL BALLOON AORTIC VALVULOPLASTY IN A PATIENT WITH MITRAL VALVE ENDOCARDITIS
Mark W. Burkett, Toledo
1536 TRANSIENT PROLONGED POSTISCHEMIC VENTRICULAR DILATATION DOCUMENTED BY ^{99m}Tc MIBI SCAN
Michele Galli; Raffaele Giubbini; Luigi Tavazzi, Verona, Italy
1538 EMPYEMA DUE TO VENTRICULOPELLEURAL SHUNT
German Isosif; Jean Fleischman; Rajinder Chitkara, New York
1539 CHYLOTHORAX AFTER CHILDBIRTH
Sue Killion Cammarata; Robert E. Brush, Jr; Robert C. Hyzy, Kalamazoo
1541 DEGLUTITION SYNCOPE WITH COEXISTENT CAROTID SINUS HYPERSENSITIVITY
Yaron Shapira; Boris Strasberg; Tuvia Ben-Gal, Tel-Aviv, Israel
1543 UNUSUAL INITIAL CALCIFICATION OF PRIMARY AND METASTATIC SEMINOMAS; DETECTION BY COMPUTED TOMOGRAPHY
Myung S. Shin; Gregory T. Odrezn; Jerald A. Van Dyke; Kang-Jey Ho, Birmingham, Alabama
1545 INTERMEDIATE ALPHA₁-ANTITRYPSIN DEFICIENCY WITH APICAL LUNG BULLAE AND SPONTANEOUS PNEUMOTHORAX; PRESENCE OF A Z VARIANT IN AN AMERICAN BLACK
Said Mostafaei; Jack Lieberman, Los Angeles
1547 LOCAL DERMAL HYPERSENSITIVITY FROM DOBUTAMINE HYDROCHLORIDE (DOBUTREX SOLUTION) INJECTION
Chau-Chung Wu; Wei-Jan Chen; Jun-Jack Cheng; Yen-Yau Hsieh; Wen-Pin Lien, Taipei, Taiwan, Republic of China
1549 COMPLICATIONS OF PERCUTANEOUS DART THERAPY IN MANAGEMENT OF PNEUMOTHORAX
John M. Streitz, Jr; Karl J. Karlson, Boston
1551 NASAL CPAP IN TREATMENT OF PERSISTENT ATELECTASIS
George Thommi, Lubbock, Texas
1551 INTENSIVE MANAGEMENT OF SEVERE HEAD INJURY
Luis Teba; Susan Weber, Morgantown, West Virginia
Response—Cecil Borel; Daniel Hanley; Michael N. Diring; Mark C. Rogers, Baltimore
1552 AIR TRAPPING FOLLOWING CORONARY ARTERY BYPASS SURGERY
Azriel Perel; Vera Koman, Tel-Hashomer, Israel
Response—David J. Dries; Mali Mathru, Maywood, Illinois
1553 BRONCHOSCOPY FOR HEMOPTYSIS
Rolando Berger; Stanley R. Rehm, Lexington, Kentucky
Response—Dean Schraufnagel; Benjamin Margolis, Chicago
1554 INTERACTION BETWEEN CARBAMAZEPINE AND ANTITUBERCULOSIS AGENTS
Michael E. Fleenor; James W. Harden; Gwen Curtis, Birmingham, Alabama
1554 NEW APPROACH TO FLUOROSCOPICALLY GUIDED TRANSVENOUS CATHETERIZATION OF THE CORONARY SINUS
Michael Plich; Roberto Klein; Tiberiu Green; Alon Marmor, Safed, Israel
1555 SERUM AND PLEURAL ADENOSINE DEAMINASE ACTIVITY: CORRECT INTERPRETATION OF THE FINDINGS
Carlaos Gakis; Giovanna Maria Calia; Anna G. V. Naitana; Antonio Riccardio Ortu; Antonio Contu, Sassari, Italy
Response—Manuel Fontes Baganha; Maria Alice Pego; Maria Adelaide Lima; Ermeinda Gaspar; Antonio Robalo Cordeiro; Coimbra, Portugal
1556 UNILATERAL DIAPHRAGMATIC PARALYSIS SECONDARY TO CARBON MONOXIDE POISONING
Marc Noppen, Antwerp, Belgium
1556 ADVERTISING AND CLINICAL INVESTIGATIONS
David H. Spodick, Worcester, Massachusetts
1556 ERRATA

